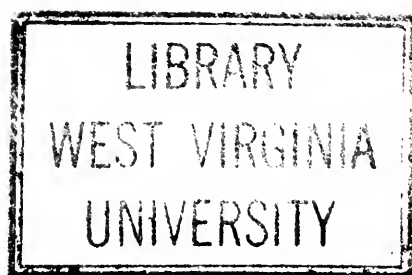


The Coal Industry In America

**A Bibliography and
Guide to Studies**

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The Coal Industry In America

**A Bibliography and
Guide to Studies**

Second Edition

Robert F. Munn

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Contents

Introduction	v
History	1
Economics	38
Labor Relations	88
Life in the Coal Fields	159
Transportation	184
Government Regulation	197
Environmental Effects	208
Surface Mining	217
Safety	250
Mine Disasters	258
Racial and Ethnic Groups	265
Folklore	269
Health	272
General Descriptive Accounts	285
Miscellaneous and Addenda	303
Index	325

Introduction

The first edition of this work appeared in 1965. It represented the first major effort to achieve some measure of control over the voluminous and widely-scattered literature of the coal industry. Since 1965, there has been a marked increase in the volume, and to some extent the quality, of publications on the coal industry. The increase in the number of publications has been accompanied by at least as great an increase in the demand for information. The present edition is in response to that demand. It includes all significant items in the first edition, now long out of print, plus approximately one thousand additional entries.

Both public and scholarly interest in the coal industry has increased sharply in recent years. The basic reason is doubtless the growing concern with the cost and availability of energy. It has become clear that both economic and foreign policy considerations require a rapid expansion in the nation's coal production. The new importance of coal has quite naturally increased interest in matters associated with coal. Among the more important—and controversial—are the environmental costs of mining, the health and safety of miners, and the concentration of control in the coal industry.

The literature of the coal industry is widely scattered. Contributions of great importance are found in everything from *Coal Age* to *The Journal of Occupational Medicine*. This scattering of the literature has increased rapidly in recent years, as scholars representing the various academic disciplines have become interested in the industry and the social and economic problems associated with it. It is now common to find significant articles in journals devoted to economics, labor relations, sociology, political science and medicine, to mention only the more obvious. The growing interest among scholars has also given rise to an increase in the number of theses and dissertations on the problem. There are government reports without number. In short, the literature has become vast and almost wildly diffused.

It is clearly desirable that research on the coal industry and the problems associated with it be carried on as efficiently and intelligently as possible. Unfortunately, the scattered nature of the literature militates against this. Even the most conscientious

scholar finds it increasingly difficult to keep abreast of the literature in his own field. It is generally quite impossible for him to follow that of other disciplines. Thus it is idle to expect the sociologist to scan medical journals or the economist to master the literature of psychology. And yet, it seems clear that fruitful study of many of the problems associated with the coal industry must utilize a multi-disciplinary approach.

The chief purpose of this guide is to aid in such multi-disciplinary research. The principal emphasis has been placed on the social sciences. The enormous body of literature in the science and technology of mining is outside the scope of this work. Titles dealing with technology and geology are included only if they contain a significant amount of material of potential interest to the historian or social scientist. Every effort has been made to include titles of real significance and works whose bibliographies will serve as a guide to those interested in a specific area or problem.

A number of librarians and scholars have contributed greatly to whatever utility this work may have. Mr. M. H. Ross, Associate Director of the Rural Practice Project at the University of North Carolina, provided much help and many useful references on the medical problems of the coal industry. His knowledge of the field is encyclopedic. The compiler's secretary, Mrs. Mary F. Casey, typed thousands of entries with accuracy and good cheer. The staff of the West Virginia University Library was, as ever, both helpful and tolerant. However, all sins of omission and commission are those of the compiler; every bibliographer lives not in the fear but in the certain knowledge that he has overlooked titles of importance.

History

Included here are general accounts published before 1870. Material on the history of surface mining is to be found in the section on surface mining.

1. An address to the inhabitants of Rhode Island on the subject of their coal mines. New York, 1825. 16p.
2. ALLISON, ROBERT
Early history of coal mining and mining machinery in Schuylkill County. Schuylkill County Historical Society. *Publication 4*: 135-55 1912.
3. AMERICAN INSTITUTE OF MINING AND METALLURGICAL ENGINEERS.
Seventy-five years of progress in the mineral industry. New York, 1947. 817p.
Contains chapters on both anthracite and bituminous mining.
4. ANSTED, D. T.
Report on the "Wilson survey" near the great Kanawha River, Virginia. New York: W. C. Bryant, 1853. 16p.
5. Anthracite coal applied to generate steam power. *Monthly American Journal of Geology* 1:72-74 1831.
6. Anthracite coal trade by railways and canals. *Merchants Magazine* 11:541-44 1844.
Emphasis is on the role of the Philadelphia and Reading Railroad.
7. ARMES, ETHEL M.
The story of coal and iron in Alabama. Birmingham, 1910. 581p.
8. ASHLEY, GEORGE H.
The Cumberland Gap coal field. *Mining Magazine* 10:94-100 1904.

9. BARKSDALE, S.
Coal mining thrives on Virginia's "last frontier". *Commonwealth* Je 1949 30-32.

The "frontier" is the area between Clintwood and Pound. Article includes material on the history of mining in Virginia.
10. BASSETT, JOHN W. AND HARRY L. WASHBURN
Early underground coal mining in Kentucky. *Kentucky Engineer* My 1950 7-10.
11. BASTIN, S. L. AND S. A. MORY
History of coal mining in Laurel County, Kentucky, 1750 to 1944. London, Kentucky, 1944. 16p.
12. BAYLES, J. C.
The coal question. *Hunt's Merchants' Magazine* 61:169-73 1869.

Author urges the development of coal fields in Maryland, Virginia and elsewhere in order to break the semi-monopoly of major anthracite producers.
13. BEACHLEY, CHARLES E.
History of the Consolidation Coal Company, 1864-1934. New York, 1934. 100p.
14. BENNETT, WALLACE R.
Report on the economic growth of Oak Hill, correlated with the history of King Coal. Oak Hill, W. Va. 1965. 36p.
15. BILLINGER, ROBERT D.
History and development of the anthracite industry. Pennsylvania Dept. of Internal Affairs. *Monthly Bulletin* F 1951 3-9; Mr 1951 13-27.
16. BILLINGER, ROBERT D.
Pennsylvania's coal industry. Gettysburg: Pennsylvania Historical Association, 1954. 53p. (Pennsylvania History Studies No. 6).

A general history of the industry.
17. BILLIONS OF TONS OF COAL TAKEN FROM THE WILDERNESS OF ST. ANTHONY.
Pennsylvania Dept. of Internal Affairs. *Bulletin* N. 1936 3-8.

The anthracite coal region of Pennsylvania was once considered so rough and worthless that it was called the Wilderness of St. Anthony.

18. BINDER, FREDRICK M.
Anthracite enters the American home. *Pennsylvania Magazine of History & Biography* 82: 82-99 1958.
History of the development of stoves for home heating, thus creating a market for anthracite coal.
19. BINDER, FREDERICK M.
Coal age empire: Pennsylvania coal and its utilization to 1860. Harrisburg: Pennsylvania Historical and Museum Commission, 1974. 184p.
20. BINDER, FREDERICK M.
Pennsylvania coal and the beginnings of American steam navigation. *Pennsylvania Magazine of History and Biography* 83:420-45 1959.
21. BLANCHARD, D. E.
A concise history of the anthracite coal industry of Pennsylvania. Wilkes-Barre: W. H. Seacord, 1884, 24p.
22. BORNE, LAWRENCE R.
The Wootton Land and Fuel Company, 1905-1910. *Colorado Magazine* 46: 189-208 1969.
Account of the development of a major coal company near Trinidad, Colorado. James A. Ownbey acquired large holdings of coal lands with the aid of eastern capitalists.
23. BOWEN, ELI
Coal and the coal trade. Philadelphia and Pottsville, 1862. 36p.
24. BOWEN, ELI
The coal regions of Pennsylvania, being a general, geological, historical and statistical review of the anthracite coal districts. Pottsville, Pennsylvania, 1848. 72p.
25. BOYER, MARY J.
The old Gravois coal diggings. Festus, Missouri. 1952. 107p.
Now a part of Saint Louis, Missouri.
26. BRATTON, SAM T.
Coal in Missouri. *Missouri Historical Review* 22: 150-56 1928.
A brief history of the discovery of coal and the development of the industry.

27. BRIDGES, LEONARD H.
Iron millionaire; life of Charlemagne Tower. Philadelphia; University of Pennsylvania Press, 1952. 322p.

Tower became one of the leading coal operators in the post-Civil War period in Pennsylvania.
- 27a. BROWN, W. K. AND J. D. MERCIER
Pictorial essay on Pennsylvania's anthracite mining heritage. *Pennsylvania Folklife* Summer 1976 26-34.

Largely pictorial account of the rise and decline of Eckley, a typical anthracite mining town.
28. BUCH, JOHN W.
Historical summary of conveyor mining. *Mechanization* 5 Ap 1941 59-64.
29. BUCK, WILLIAM J.
History of the early discovery of coal. *Potter's American Monthly* 4: 180-82 1875.
30. BULL, MARCUS
Experiment to determine the comparative quantities of Heat evolved in the combustion of the principal varieties of Wood and Coal. *Journal of the Franklin Institute* 1:257-80 1826.
31. "CC&B" CELEBRATE 80TH BIRTHDAY
Black Diamond Ap 12, 1947 22-23.

A brief history of Castner, Curran and Bullitt, one of the oldest and largest coal merchants in the United States.
32. CAMPBELL, ROY E.
History of the development of the coal industry in Kanawha District, West Virginia. Thesis. West Virginia University. 1930
33. CARBON COUNTY HISTORICAL SOCIETY
Centennial anniversary of the first shipment of anthracite coal from the Lehigh region at Lausanne, Pennsylvania, August 9, 1814. Mauch Chunk, Pennsylvania: The Society, 1914. 17p.
34. CARLSON, ALVAR W.
Lignite coal as an enabling factor in the settlement of western North Dakota. *Great Plains Journal* 11: 145-53, 1972.

The easy availability of lignite coal facilitated the settlement of this region. Farmers mined it themselves.

35. CARPENTER, SAMUEL
Report of the engineer in relation to the coal mines of the Hockhocking Valley. Columbus, 1836. 5p.
36. CARTLIDGE, OSCAR
Fifty years of coal mining. Charleston, West Virginia: Rose City Press, 1936. 74p.
Largely autobiographical account of mining in the coal fields of Illinois and West Virginia, 1890-1930.
37. CAUDILL, HARRY M.
Night comes to the Cumberlands; a biography of a depressed area. Boston: Atlantic-Little, 1963. 394p.
An account of the development and present status of the "coal counties" of Eastern Kentucky. The author feels that the area has been ruthlessly exploited by the coal industry and its people left to rot. An important and widely-read work.
- 37a. CAUDILL, JAMES K.
Kentucky's experience with the broad form deed. *Kentucky Law Journal* 63:107-44 1974/75.
Account of the origin and development of the broad form deed in Kentucky.
38. CAUDILL, REBECCA
My Appalachia. a reminiscence. New York, Holt, Rinehart and Winston, 1966. 90p.
The author tells of her life which began in Harlan County, Ky. and which has been closely attached to the beauties and scourges of the area ever since.
39. CHADWICK, ROBERT A.
Coal, Montana's prosaic treasure. *Montana*. Oct. 1973 18-31.
History of the development of both deep and strip mining in Montana. Interesting illustrations.
40. CHANDLER, ALFRED D.
Anthracite coal and the beginnings of the industrial revolution in the United States. *Business History Review* 46: 141-81 1972.
"While anthracite helped to determine the timing and the process of accelerated growth and institutional change in American manufacturing and mining, its impact was short-run. not long-run".
41. CHAPMAN, MARY L.
The influence of coal in the Big Sandy Valley. Dissertation. University of Kentucky, 1945. 297p.

42. CHARWICK, DOUGLAS
Nothing will ever bring them back. Goldenseal Ja/Mr 1976 35-42, Ap/Je 1976 17-39.

Well-illustrated account of the early communities in the New River coal field, in southern West Virginia.
43. CHILDS, C. G.
The coal and iron trade, embracing statistics of Pennsylvania. Philadelphia, 1847. 24p.

"A series of articles published in the Philadelphia Commercial List."
44. CHRISTY, DAVID
Report made at the request of the Raccoon Coal and Iron Company, Cincinnati, 1854. 15p.
45. CIST, JACOB
Account of the mines of anthracite in the region about Wilkes-Barre, Pennsylvania. Wyoming Historical Society. *Proceedings* 10: 98-114 1909.
46. CIST, ZACHARIAH
Account of the Mines of Anthracite in the region about Wilkes-Barre, Pennsylvania. *American Journal of Science* 4:1-16 1822.
47. CLARK, STANLEY
Immigrants in the Choctaw coal industry. *Chronicles of Oklahoma* 33: 440-55 1955/56.
48. CLIFFORD, ALBERT J.
The reorganization of the Philadelphia & Reading Coal & Iron Company. Thesis. University of Pennsylvania. 1952.
49. COAL AND IRON TRADE OF THE OHIO VALLEY
Merchant's Magazine 16: 450-55 1847.
50. COAL AND THE COAL MINES OF PENNSYLVANIA
Harpers 15: 451-69 1857.

A useful history of the early development of the Pennsylvania coal industry.
51. COAL OF PENNSYLVANIA
American Quarterly Register 1: 97-100 1848.

Largely statistical.

52. COAL OF PENNSYLVANIA AND OTHER STATES
Merchants' Magazine 13: 67-72 1845.
Rapid growth of the Pennsylvania coal trade predicted.
53. COAL POLICY OF PENNSYLVANIA
Merchants' Magazine 13: 242-45 1845.
Tolls set by the canal commissioners are unfair and harmful to the coal trade.
54. COAL PRODUCT OF THE UNITED STATES
De Bow's Review 19: 123-30 1855.
A general account, largely statistical, of the coal trade.
55. COAL PRODUCTION IN OHIO
Merchants' Magazine 26: 511-12 1852.
56. COAL REGION OF THE SCHUYLKILL AND WYOMING VALLEY
Merchants' Magazine 14: 539-42 1846.
57. THE COAL TRADE IN PENNSYLVANIA
North American Review 42: 241-56 1836.
58. COAL TRADE OF PENNSYLVANIA
Bankers' Magazine 3: 146-50 1848.
59. COATES, HAROLD W.
Cincinnati's early coal trade. *Black Diamond* Ja 15, 1927 23.
60. COBB, WILLIAM H.
The beginning of coal development in Randolph County (West Virginia). Randolph County Historical Society. *Magazine of History and Biography* 5: 50-53 1928.
61. COLEMAN, RON
We dig coal: the story of coal mining in Buchanan County, Virginia. Radford, Va.: Commonwealth Press, 1975. 46p.
62. CONANT, C. B.
Coal fever: the price and prospects of anthracite coal. *Merchants' Magazine* 52: 349-64 1865.
"Why is coal so high?"

63. CONLEY, PHIL
History of the West Virginia coal industry. Charleston: Educational Foundation, 1960. 311p.
64. CONLEY, PHIL
Early coal development in the Kanawha Valley. *West Virginia History* 8: 207-15 1947.
65. CORRIGAN, JAMES J.
Early tariff and anthracite region problems. Pennsylvania Dept. of Internal Affairs. *Monthly Bulletin* Ag 1951 3-4, 32.
"Memorial of the freeholders and inhabitants of Carbon and Luzerne Counties, Pennsylvania, engaged in the coal business, demonstrating against the tariff" (1846).
66. CUBBY, EDWIN A.
The transformation of the Tug and Guyandot Valleys; economic development and social change in West Virginia. Dissertation. Syracuse University. 1962. 356p.
67. CUBBY, EDWIN A.
Railroad building and the rise of the port of Huntington. *West Virginia History* 33: 234-47 1972.
Account of the building of railroads which made possible the opening of the Logan coal fields.
68. CUMBERLAND COAL REGION
Bankers' Magazine 4: 394-99 1849.
Account of the coal fields in the Frostburg, Maryland area.
69. DAILY TELEGRAPH. (BLUEFIELD, WEST VIRGINIA)
Pocahontas flat-top coal field. Bluefield, 1896. 78p.
A history and general account of the newly-opened flat-top bituminous coal field.
70. DANIEL, PETE
The Tennessee Convict War. *Tennessee Historical Quarterly* 34: 273-292 1975.
Account of the Coal Creek Rebellion of 1891.
71. DAUPHIN AND SUSQUEHANNA COAL COMPANY
Report of the stockholders. Philadelphia: T. K. and P. G. Collins, 1848. 16p.

72. DE BOW, JAMES D.
Coal mines of Alabama compared with those of the other states. *De Bow's Review* 10: 73-79 1851.
73. A DEFENCE OF THE LEHIGH COAL AND NAVIGATION COMPANY FROM THE ASSAULTS MADE UPON ITS INTERESTS BY X
Philadelphia: Jesper Harding, 1840. 66p.
74. DERBY, GEORGE
An inquiry into the influence upon health of anthracite coal, when used as a fuel for warming dwelling houses. . . Boston: A. Williams & Co., 1868. 46p.
75. DESCRIPTION OF THE SYCAMORE COAL MINES
Plan of a mining company now forming in Cincinnati. 2nd ed. Cincinnati, 1850. 12p.
- ✓ 75a. DODRILL, GORDON
20,000 coal company stores. Pittsburgh, 1971. 287p.
A list of all known company stores in the U.S., Canada and Mexico from 1903 to 1958. Includes 750 illustrations of tokens (scrip) issued by the coal companies owing the stores.
76. DRAKE, RICHARD B.
Documents relating to the broad form deed. *Appalachian Notes* 2 (1-6) First Quarter, 1974.
"Kentucky today is the only state recognizing the broad form deed."
Reproduces examples of such deeds held in eastern Ky.
77. EARLY COAL MINING IN DAVIESS COUNTY, INDIANA
Coal 1: 200 1882.
78. EATON, AMOS
Observations on the coal formations in the State of New York. *American Journal of Science* 19: 21-26 1831.
- ✓ 79. EAVENSON, HOWARD N.
Coal through the ages. New York: AIME, 1935. 123p.
- ✓ 80. EAVENSON, HOWARD N.
The early history of the Pittsburgh coal bed. *Western Pennsylvania Historical Magazine* 22: 165-76 1939.
81. EAVENSON, HOWARD N.
The first century and a quarter of American coal industry. Pittsburgh: Privately printed, 1942. 701p.
The classic work in the field.

82. EAVENSON, HOWARD N.
Notes on an old West Virginia coal field. *West Virginia History* 5: 83-100 1944.
In the Mason County area.
83. EAVENSON, HOWARD N.
The Pittsburgh coal bed; its early history and development. New York: AIME, 1938. 55p.
Bibliography pp48-55.
84. EAVENSON, HOWARD N.
Some side-lights on early Virginia coal mining. *Virginia Magazine of History and Biography* 50: 199-208 1942.
85. ELSON, C. H.
Story of the Leckie and Douglas mines. *Coal Industry* 1: 323-25 1918.
Account of operations in the Smokeless Coal Field of West Virginia. Includes illustrations of coal camps.
86. ENMAN, JOHN A.
Coal company store prices questioned: a case study of the Union Supply Company, 1905-1906. *Pennsylvania History* 41: 53-62 Jan. 1974.
"The first time that actual accounts of company store sales and prices, rather than second-hand reports. . . have been available for study" show that one store near Uniontown, Fayette County, Pa., did not charge excessive prices.
87. ENQUIRY INTO THE CHEMICAL CHARACTERS AND PROPERTIES OF THAT SPECIES OF COAL LATELY DISCOVERED AT RHODE-ISLAND, WITH SOME OBSERVATIONS ON ITS APPLICATION TO THE ARTS AND MANUFACTURERS OF THE EASTERN STATES.
American Mineralogical Journal 1: 34-40 1814.
88. FACTS ILLUSTRATIVE OF THE CHARACTER OF THE ANTHRACITE OR LEHIGH COAL FOUND IN THE GREAT MINES AT MAUCH CHUNK
New York: Gray & Bunce, 1825. 18p.
89. FAIRBANKS, W. L. AND W. S. HAMILL
The coal mining industry of Maryland. Baltimore: Baltimore Association of Commerce, 1932. 271p.
90. FELL, JESSE
Notice of the first introduction of anthracite coal on the Susquehanna. *Hazard's Register of Pennsylvania* 6:83 1830.
The coal was first used by blacksmiths, starting about 1768.

91. **FIRMSTONE, WILLIAM**
Sketch of early anthracite furnaces. AIME. *Transactions* 3: 152-56 1874/75.

In the Pennsylvania fields.
92. **FIRST COAL MINING COMPANY OF THE LEHIGH REGION**
Pennsylvania Magazine of History 39: 170-75 1915.

Copy of a prospectus dated F 13, 1792 for the Lehigh Coal Mine Company.
93. **FIRST COAL TOWN MUSEUM**
Stotesbury, West Virginia, 1962. 32p.

A booklet describing the coal museum at Stotesbury, West Virginia. It also contains several articles on the history of coal mining in the Winding Gulf Field.
94. **FISHER, CASSIUS A.**
Geology of the Great Falls coal fields, Montana. Washington: GPO, 1909. 85p. (USGS. Bulletin 356).

Includes much information of historical value.
95. **FISHER, HOWELL**
Report on the agriculture and mineral resources of Virginia and West Virginia, and more particularly on the extent, quality, and value of the coal and iron deposits situated along the line of the Chesapeake and Ohio Railroad, showing the advantage of that region for successful mining and manufacturing industry. New York: Wyndkoop & Hollenbeck, 1870. 24p.
96. **FISHER, JAMES C.**
Report on coal. *American Laborer* 1: 55-56 1842.

Advocates a "specific duty of 6 cents a bushel on all foreign coal" in order to encourage the domestic coal industry.
- ✓ 97. **FLEMING, A. B.**
History of the Fairmont (West Virginia) coal region. West Virginia Coal Mining Institute. *Proceedings* 1911 251-68.
98. **FLOYD, WILLIE M.**
Thurber, Texas. an abandoned coal field town. *Texas Geographical Magazine* 3 No. 2 1939 ppl-21.
99. **FREYTAG, R. C.**
The Indiana coal industry's part in World War II. *Indiana Magazine of History* 41: 265-86 1945.

100. FRICK (H. C.) COKE CO.
Connellsville coke. Pittsburgh, 189-? 44p.
"A brief outline of the development of the great Connellsville coke region."
101. FRISCH, ISADORE
Twentieth century development of the coal mining industry in eastern Kentucky and its influence upon political behavior of the area. Thesis. University of Kentucky. 1938.
102. GEORGE'S CREEK COAL AND IRON COMPANY
[Baltimore] 1836. 34p.
Contains acts of incorporation and a report on the land belonging to the company.
103. GIBSON, A. M.
Early mining camps in northeastern Oklahoma. *Chronicles of Oklahoma* 34: 193-202 1956.
- 103a. GILLENWATER, MACK H.
Cultural and historical geography of mining settlements in the Pocahontas coal fields of southern West Virginia, 1880 to 1930. Dissertation. University of Tennessee, 1972. 177p.
104. GINGER, RAY
Company-sponsored welfare plans in the anthracite industry before 1900. Business Historical Society. *Bulletin* 27: 112-20 1953.
105. GLENN, L. C.
The northern Tennessee coal field. Nashville, 1925. 478p. (Tennessee. Division of Geology. Bulletin 33-B).
Although devoted largely to geology, the bulletin includes material on the history and economics of coal mining in the area.
106. GRAEBNER, WILLIAM
Great expectations: the search for order in bituminous coal, 1890-1917. *Business History Review* 48: 49-72 1974.
Account of the frustrating attempts of the industry to regulate itself.
107. GREENE, CHARLES S.
A California coal mine. *Overland Monthly* 31: 518-27 1898.
History and account of mining operations at Tesla.

108. GREGG, ROBERT
Origin and development of the Tennessee Coal, Iron and Railroad Co. New York: Newcomen Society, 1948. 40p.
109. GRIFFITH, WILLIAM
Beginning of anthracite coal trade. *Coal Age* 2: 40-42 1912.
110. GRIFFITH, WILLIAM
The proof that Pennsylvania anthracite coal was first shipped from the Wyoming Valley. Wyoming Historical and Geneological Society. *Proceedings* 13: 65-71 1914.
111. GRIFFITH, WILLIAM
Some of the beneficial results of Judge Jesse Fell's experiment with Wyoming coal. Wyoming Historical and Geological Society. *Proceedings* 10: 73-86 1909.
112. GUYANDOTTE LAND COMPANY
Reports and letters relating to the Guyandotte Land Company. London: W. Penney, [1853]. 53p.
In what is now West Virginia.
113. HACK, JOHN T.
Prehistoric coal mining in the Jeddito Valley, Arizona. Cambridge, 1942. 24p. (Papers of the Peabody Museum 35: 2).
114. HAGER, CHARLES J.
Alabama's coal pioneers. *Alabama Engineer* Sept. 1958 3-7.
115. HALBERSTADT, BAIRD
An early coal mine lease in Pottsville. Schuylkill County Historical Society. *Publications* 4: 198-211 1912.
The Greenwood Slope Colliery lease was made in 1839.
116. HARDT, ANTON
A brief history of mining in Tioga County (Pennsylvania). *Mines and Minerals* 26: 484-86 1905/6.
117. HARRINGTON, GEORGE B.
Coal mining in Illinois. New York: Newcomen Society, 1950. 24p.
Deals especially with Chicago, Wilmington, & Franklin Coal Co.

118. HARRIS, EVELYN AND FRANK J. KREBS
From humble beginnings, West Virginia State Federation of Labor 1903-1957. Charleston, 1960. 553p.
A history of the federation. Contains much information on labor conditions in the coal fields.
119. HARTSOCK, D. LANE
Impact of the railroads on coal mining in Osage County, 1869-1910. *Kansas Historical Quarterly* 37: 429-40 1971.
Railroads, especially the Sante Fe, were largely responsible for the development of the coal field in the Osage County area. At one time, this was the largest field west of the Mississippi.
120. HARVEY, HELEN B.
From frontier to mining town in Logan County, West Virginia. Thesis. University of Kentucky. 1942.
121. HARVEY, KATHERINE A.
The best-dressed miners: life and labor in the Maryland coal region, 1835-1910. Ithaca: Cornell University Press, 1969. 488p.
The standard work in the field.
122. HARVEY, KATHERINE
The coal miners of western Maryland: some economic and social developments, 1850-1910. Thesis. American University. 1962.
123. HAUPT, HERMAN
The coal business on the Pennsylvania Railroad. Philadelphia. 1857. 33p.
124. HAWLEY, ELLIS W.
Secretary Hoover and the bituminous coal problem, 1921-1928. *Business History Review* 42: 247-70 1968.
Account of Herbert Hoover's efforts as Secretary of Commerce to aid the coal industry.
125. HAYDEN, F. V.
Remarks on the possibility of a workable bed of coal in Nebraska. *American Journal of Science and Arts* 95: 326-30 1868.
"It seems more than probable that coal in paying quantities will never be found within the limits of the state of Nebraska".

126. HAZARD, ERSKINE
History of the introduction of anthracite coal into Philadelphia. . . and, a letter from Jesse Fell, esq. of Wilkes-Barre, on the discovery and first use of anthracite in the valley of Wyoming. Pennsylvania Historial Society. *Memoirs* 2: 155-64 1827.
127. HAZARD, ERSKINE
On the application of anthracite coal to the drying of tobacco. *Journal of the Franklin Institute* 8: 5-6 1831.
128. HEINRICH, OSWALD J.
The Midlothian Colliery, Virginia. AIME. *Transactions* 1: 346-64 1871/73; 4: 308-16 1875/76.

Account of the largest and one of the oldest mines in the Richmond field.
129. HERMELIN, SAMUEL G.
Report about the mines in the United States of America, 1793. Philadelphia: John Morton Memorial Museum, 1931. 82p.
130. HIGGINS, WALLACE W.
Mine dogs and dog miners. Chillicothe, Ohio: Ross County Historical Society, 1958. 5p.

Working conditions in small Ohio coal mines during 1870's, 1880. Dogs were used to help pull cars.
131. HILDRETH, S. P.
Observations on the bituminous coal deposits of the valley of the Ohio. *American Journal of Science* 29: 1-148 1836.
132. HISTORY OF COAL MINING IN IOWA
Annals of Iowa 29: 61-63 1947.
133. HISTORY OF EASTERN GAS AND FUEL ASSOCIATES
Black Diamond Je 30, 1962 28.
134. HITCHCOCK, E.
The coal field of Bristol County and of Rhode Island. *American Journal of Science and Arts* Second Series 16: 327-36 1853.
135. HOFFMAN, JOHN N.
Girard estate coal lands in Pennsylvania, 1801-1884. Washington: Smithsonian Institute Press, 1972. 86p. (Smithsonian Studies in History and Technology, no. 15).

136. HUDSON COAL COMPANY
The story of anthracite. New York, 1932. 425p.
137. HURST, MARY B.
Social history of Logan County, West Virginia, 1765-1923.
Thesis. Columbia University.
138. ILLINOIS COAL
Hunt's Merchants' Magazine 42: 492-94 1860.
Brief account of the history and present status of coal mining in Illinois.
139. ILLINOIS COAL OPERATORS ASSOCIATION
A brief outline of 25 years history and experience, with special reference to the unusual developments of the war period and subsequently. [Springfield], 1921. 78p.
140. ILLINOIS. DEPT. OF MINES AND MINERALS
A compilation of the reports of the mining industry of Illinois from the earliest records to the close of the year 1930. Springfield, 1931. 177p.
141. IMBODEN, JOHN D.
The coal and iron resources of Virginia; their extent, commercial value and early development. Richmond: Clemmitt & Jones, 1872. 28p.
142. IRWIN, WILLIAM G.
Development of the coal industry. *Gunton's Magazine* 22: 544-51 1902.
143. JACKSON, CHARLES T.
Report of the coal lands of Egypt, Belmont, Evans, Palmer and Wilcox plantations on Deep River, North Carolina. New York: F. Nesbitt, 1853. 24p.
144. JAMES, THOMAS C.
A brief account of the discovery of anthracite coal on the Lehigh. Pennsylvania Historical Society. *Memoirs* 1: 321-31 1826.
145. JAMES RIVER COAL TRADE
Hunt's Merchants' Magazine 43: 752-53 1860.
Useful statistics on the coal trade.

146. JILLSON, WILLARD R.
The coal industry in Kentucky, an historical sketch. Frankfort: State Journal Co., 1922. 87p.
147. JILLSON, WILLARD R.
A history of the coal industry in Kentucky. Kentucky Historical Society. *Register* 20: 21-45 1922.
- 147a. JOHNSON, CYNTHIA
A new life: the Iowa coal mines. *Palimpsest* 56: 56-64 1975
Account of an Italian immigrant who worked in the coal fields of southeastern Iowa starting in 1914.
- ✓ 148. JOHNSON, OLE S.
The industrial store; its history, operations, and economic significance. Atlanta: University of Georgia, Atlanta Division, 1952. 171p.
On "company stores" in the coal fields of the Tri-State area (Ohio, Pennsylvania, West Virginia). Written as a Ph.D. dissertation at the University of Pittsburgh, 1951.
149. JOHNSON, WALTER R.
The coal trade of British America, with researches on the characters and practical values of American and foreign coals. Washington: Taylor & Maury, 1850. 179p.
150. JOHNSON, WALTER R.
Notes on the use of anthracite in the manufacture of iron. Boston, 1841. 156p.
151. JOHNSON, WALTER R.
Report of an examination of the coal and iron ore lands known as the Wilson Survey, lying on the south side of the Great Kanawha River, in the counties of Kanawha and Fayette, State of Virginia. Washington: Buell & Blanchard, 1850. 8p.
152. JOHNSON, WALTER R.
Report on the Bradford coal field (Pennsylvania). *American Journal of Science* 39: 137-49 1840.
153. JOHNSON, WALTER R.
Report on the coal lands of the Deep River Mining and Transportation Company in Chatham and Moore counties, North Carolina. Albany: Weed, Parsons & Co., 1851. 39p.

154. JONES, ALFRED C.
Remarks on the use of anthracite coal in smith's work. *Journal of the Franklin Institute* 13: 73-74 1834.
155. JONES, ELIOT
Anthracite coal combination in the United States; with some account of the early development of the anthracite coal industry. Cambridge: Harvard University Press, 1914. 261p. (Harvard Economic Studies XI).
156. KEATING, WILLIAM
Considerations upon the art of mining. To which are added reflections on its actual state in Europe and the advantages which would result from an introduction of this art into the United States. Philadelphia: M. Carey, 1821. 87p.
157. KEISER, JOHN H.
The union miners cemetery at Mt. Olive, Illinois. Illinois State Historical Society. *Journal* 62: 229-66 1969.

"It is the only union-owned cemetery in the nation, and it contains the remains of those who participated in most of the early major events of coal unionism in Illinois". Account of the history and events associated with the cemetery.
158. KELEMEN, THOMAS A.
History of Lynch, Kentucky, 1917-1930. *Filson Club Historical Quarterly* 48: 156-76 1974.

Account of the development of the coal industry in the Lynch (Harlan County) area.
159. KENTUCKY COAL MINING CO.
Act of incorporation, with the report of their engineer, John Pickell, upon their coal property at Henderson, Kentucky, with a general view of the extent, importance and value of the coal fields of Kentucky. . . with some statistics showing the future magnitude of the coal trade of the west. Philadelphia: T. K. & P. G. Collins, 1855. 48p.
160. KENTUCKY. GENERAL ASSEMBLY
Report of the Committee on the coal trade and iron interests of Kentucky. n.p. 184?. 20p. (Reprinted as number 271 in the Kentucky Culture Series).
161. KESEL, RICHARD H.
The Raton coal field, an evolving landscape. *New Mexico Historical Review* 41: 231-50 1966.

The Raton coal field is located in northern New Mexico. The author traces the rise and decline of the coal industry in the area from 1879 to 1965.

162. KEYES, CHARLES R.
Aboriginal use of mineral coal and its discovery in the west. *Annals of Iowa* 3rd ser. 10: 431-34 1912.
163. KULP, GEORGE B.
Coal; its antiquity, discovery and early development in the Wyoming Valley. Wilkes-Barre, 1892. 32p. (Appears also in his "Historical Essays" pp57-90).
164. THE LACKAWANNA AND WYOMING COAL REGION
Merchants Magazine 19: 290-94 1848.
165. LAING, JAMES T.
The early development of the coal industry in the western counties of Virginia, 1800-1865. *West Virginia History* 27: 144-55 1965/66.

The coal industry developed rather slowly in western Virginia. The major demand for coal came from the salt industry in the Kanawha Valley and for steam navigation of the rivers.
166. LANSING, R. R.
Exposition concerning the mineral coal of Michigan. Detroit: E. A. Wales, 1854. 20p.

Author discusses the location, quality, demand, transportation etc. of Michigan coal.
167. LAVINE, IRVIN
Developing the lignite fuel of North Dakota. *Quarterly Journal* (Univ. of North Dakota) 19: 185-89 1928/29.

Brief account of the history. present status and prospects of the lignite industry in North Dakota.
168. LEAMER, LAURENCE
Twilight for a baron. *Playboy* May 1973, 114+.

Interview of Major W. P. Tams, Jr., the last of the West Virginia coal barons.
169. LEHIGH COAL AND NAVIGATION CO.
Facts illustrative of the character of the anthracite or Lehigh coal, found in the great mines at Mauch Chunk, in possession of the Lehigh Coal and Navigation Company . . . Boston, 1825. 22p.
170. LEHIGH COAL AND NAVIGATION COMPANY
A history of the Lehigh Coal and Navigation Company. Philadelphia: W. S. Young, 1840. 68p.

171. LEHIGH NAVIGATION COAL COMPANY
The story of the old company. Landford, Pennsylvania, 1941. 58p.
172. LEIGHTON, GEORGE R.
Shenandoah, Pennsylvania; the story of an anthracite town. *Harpers* 174: 131-47 1937.
173. LOGAN COAL OPERATORS ASSOCIATION
The story of Logan County, West Virginia coal. Logan, 1921. unpagcd.
174. LONGIN, THOMAS C.
Coal, Congress and the courts: the bituminous coal industry and the New Deal. *West Virginia History* 35: 101-30 1973/74.
175. LOVE, GEORGE H.
An exciting century in coal (1864-1964). New York: Newcomen Society, 1955. 24p.
Account of the Consolidation Coal Company.
176. LYCOMING COAL COMPANY
A brief description of the property belonging to the Lycoming Coal Company, with some general remarks on the subject of the coal and iron business. Poughkeepsie: P. Potter, 1828. 32p.
177. MC AULIFFE, EUGENE
Early coal mining in the West—beginning with 1868. New York: Newcomen Society, 1948. 32p.
178. MC AULIFFE, EUGENE
Romance and tragedy of coal. Omaha, Nebraska: Colonial Press, 1931. 97p.
179. MC CAULEY, RAY L.
The natural and cultural factors that have affected coal production in Westmoreland County (Pennsylvania) from 1800 to 1950. Thesis. University of Pittsburgh. 1950.
180. MC CLANE, WILLIAM
Letter on the supply of bituminous coal from North Carolina. New York: George F. Nesbitt, 1854. 12p.
181. MC CORMICK, ALLEN
Development of the coal industry of Grundy County, Tennessee. Thesis. George Peabody. 1934, 95p.

182. MC DONALD, RITA AND M. G. BURLINGAME
Montana's first commercial coal mine. *Pacific Northwest Quarterly* 47: 23-28 1956.

183. MC FARLAND, CHARLES K.
Roosevelt, Lewis and the New Deal, 1933-1940. Fort Worth: Texas Christian University Press, 1970. 132p.

184. MANLEY, ROBERT N.
Wealth beneath the prairie: the search for coal in Nebraska. *Nebraska History* 47: 157-76 1966.

Between the 1850's and the 1880's, there was a continuous and often frantic search for coal in Nebraska. Much of this effort was managed by "boomers", who hoped that a discovery of coal would increase land values.

184a. MARTIN, ALBRO
James J. Hill and the first energy revolution. *Business History Review* 50: 179-97 1976.

The first energy revolution was the switch from wood to coal. Hill played a major role in the expansion of the coal trade in the Northwest after the Civil War.

185. MARYLAND UNIVERSITY. BUREAU OF BUSINESS AND ECONOMIC RESEARCH
Coal in the Maryland economy, 1736-1965. 20p. (Its Studies in Business and Economics 7: 3).

✓ 186. MASSAY, GLENN F.
Coal consolidation: profile of the Fairmont field of northern West Virginia, 1852-1903. Dissertation, West Virginia University, 1970. 354p.

187. MELDER, F. E.
History of the discoveries and physical development of the coal industry in the state of Washington. *Pacific Northwest Quarterly* 29: 151-65 1938.

188. MICHALIK, BENJAMIN A.
The decline of anthracite, 1913-1955. Dissertation. Fordham University. 1957. 357p.

189. MIESSE, CHARLES
Points on coal and the coal business. Myerstown, Pennsylvania: Feese & Uhrich, 1887. 464p.

Includes "history of the anthracite coal field and its surroundings".

190. MILLER, GEORGE L.
Early dreams of coal in Nebraska. Nebraska State Historical Society. *Proceedings* 15: 189-92 1907.
191. MINER, WILLIAM P.
"Cist versus Fell," or the domestic use of anthracite coal. Wyoming Historical Society. *Proceedings* 7: 31-42 1902.
192. MITCHELL, THOMAS D.
Remarks on burning Anthracite in open fire places. *Journal of the Franklin Institute* 3: 121-2 1827.

Coal is deemed greatly superior to wood for home use. This view is supported in "Additional Remarks" by the Editor (pp. 123-24).
193. MOONEY, FRED
Struggle in the coal fields. Morgantown: West Virginia University Library, 1967. 194p.

The autobiography of Mooney, an important figure in the UMWA in West Virginia. One of the few first-hand account of events. Edited by J. W. Hess.
194. MORTON, ELEANOR
Josiah White, prince of pioneers. New York: Stephen Daye, 1946. 300p.

White was an important figure in the development of the anthracite fields of Pennsylvania.
195. MORY, SAMUEL A.
History of coal mining in Laurel County, Kentucky, 1750 to 1944. London, Kentucky: Sentinel-Echo, 1944. 16p.
196. MOSS, ALEX
Highlights in the coal trade during the war period. *Coal Age* 15: 227-32 1919.
197. MOURAT, MARY P.
A history of coal mining in West Virginia to 1933. Thesis. University of Pennsylvania. 1947.
198. NEW ERA IN THE COAL TRADE
Engineering & Mining Journal 8: 2-3 1869.

The introduction of steam colliers to take the place of schooners will greatly increase the coal trade from Pennsylvania to New England.
199. NEW YORK COAL COMPANY
Plan for supplying the City of New York with fuel. New York: T. & J. Swords, 1814. 16p.

200. NICOLLS, WILLIAM J.
Above ground and below in the George's Creek coal region. Baltimore: Consolidation Coal Company, 1898. 32p.
History and general account of coal mining in the area.
201. NICOLLS, WILLIAM J.
Coal catechism. Philadelphia: Lippincott, 1898. 218p.
An introduction to the history, geology, production etc. of coal.
202. NICOLLS, WILLIAM J.
The story of American coals. Philadelphia: Lippincott, 1897. 405p.
203. THE NORTH AMERICAN (PHILADELPHIA)
Pennsylvania coal and its carriers. Philadelphia: Crissy & Markley, 1852. 35p.
204. NOTICE OF COAL MINES IN ILLINOIS
Journal of the Franklin Institute ns 17: 375 1836.
Short account of the Mount Carbon coal mines near Brownsville.
- ✓ 205. OHIO. DEPT. OF INDUSTRIAL RELATIONS. DIVISION OF LABOR STATISTICS
Two billion tons of coal; a report of bituminous coal production in Ohio, 1838-1948. Columbus, 1948. 79p.
206. ON COAL AS A FUEL IN AMERICA
Literary Magazine 2: 422-24 1804.
"Would it not be in the interest of the United States to establish a regular coal trade from Virginia to the northern states."
- ✓ 207. P. & M. HISTORY
Coal Age Oct. 1966 82-168.
Includes a brief history of the Pittsburgh and Midway Coal Mining Company as well as accounts of its various operations—underground mining, sales, reclamation activities etc.
208. PAPANIKOLAS, HELEN Z.
The Greeks of Carbon County. *Utah Historical Quarterly* 22: 143-64 1954.
A large number of Greek immigrants were attracted to the newly-opened coal mining region in Carbon County, Utah.
209. PAPANIKOLAS, HELEN Z.
Utah's coal lands: a vital example of how America became a great nation. *Utah Historical Quarterly* 43: 104-24 1975.
Account of the early development of the Utah coal industry.

210. PATTERSON, JOSEPH F.
Reminiscences of John Maguire after fifty years of mining. Schuylkill County Historical Society. *Publication* 4: 305-36 1914.

Concerns mining operations in the anthracite coal fields of Schuylkill County, Pennsylvania.
211. PATTERSON, LOUISE H.
Discovery of the great anthracite regions of the middle west. *Journal of American History* 5: 115-20 1911.

Jesse Fell and his discovery of anthracite coal in the Wyoming Valley and its use for heating homes.
212. PAUL, WOLFGANG
Mining lore. Portland, Oregon: Morris Printing Co. 1970. 940p.

A collection dealing with the history, folklore, music etc. of all types of mining in many countries.
213. PEACH ORCHARD COAL COMPANY
Peach Orchard coal lands. Cincinnati, 1853?, 11p.

"The works and lands of the Company are situated in Lawrence county Ky., on the Big Sandy river. . ." Includes list of stockholders as of November, 1853.
214. PEARCE, ALBERT
The growth and development of the Kentucky coal industry. Thesis. University of Kentucky. 1930.
215. PENNSYLVANIA COAL REGION
Harper 27: 455-67 1863.

Account of a trip through the area.
216. PENNSYLVANIA. DEPARTMENT OF MINES AND MINERAL INDUSTRIES
History of Pennsylvania bituminous coal. 3rd edition. Harrisburg, 1962. 61p.

An excellent source for statistical information; arranged by county.
217. PENNSYLVANIA. GENERAL ASSEMBLY
Acts of the General Assembly of Pennsylvania concerning the Lehigh Coal and Navigation Company; together with the by-laws, etc. Philadelphia: James Kay, 1837. 79p.

218. PENNSYLVANIA. GENERAL ASSEMBLY. SENATE. COMMITTEE ON COAL TRADE
Report of the committee of the State of Pennsylvania, upon the subject of the coal trade. Harrisburg: Henry Welsh, 1834. 126p.
219. PHILLIPPS, G. JENKINS
Systems of mining coal and metalliferous veins fully explained . . . productive, consumption and incidental statistics of coal . . . Philadelphia, 1858. 86p.
220. PICKARD, CLAUDE E.
The western Kentucky coal field: the influence of coal mining on the settlement patterns, forms and functions. Dissertation. University of Nebraska. 1969. 294p.
221. PIERCE, JAMES
Anthracite region of Pennsylvania. [Hazard's] *Register of Pennsylvania* 1: 310-16 1828.
222. PIERCE, JAMES
In the anthracite region of Pennsylvania. *American Journal of Science* 12: 54-74 1827.
223. PIERCE, RICHARD A.
The Russian coal mine on the Kenai. *Alaska Journal* 5: 104-8 1975.
224. PITTSBURGH AND BUFFALO COMPANY
Coal & Coke Mr. 15, 1903 7-11.
Account of the company's development and operations.
225. POCAHONTAS OPERATORS ASSOCIATION
The story of Pocahontas, 1863-1915; a good coal. Roanoke, 1915. 32p.
226. POLINIAK, LOUIS
When coal was king; mining Pennsylvania's anthracite. Lebanon, Pa.: Applied Arts Publishers. 1971. 32p.
"Early coal mining in picture and story in the land of the Mollie Maguires."
227. POMEROY, S.
Some facts about the Pomeroy coal mines. *Coal* 1: 86 1882.
Brief history of the mines located in the area of Pomeroy, Ohio.

228. POMEROY, SAMUEL W.
Remarks on the coal region between Cumberland and Pittsburgh. *American Journal of Science* 21: 342-47 1832.
229. POWELL, H. BENJAMIN
Coal, Philadelphia, and the Schuylkill. Dissertation. Lehigh University, 1968. 234p.
230. POWELL, H. BENJAMIN
Establishing the anthracite boomtown of Maunch Chunk, 1814-1825. *Pennsylvania History* 41: 249-62 1974.

A documentary history of the establishment of an early center of the Pennsylvania anthracite industry.
231. POWELL, WILLIAM E.
European settlement in the Cherokee-Craford coal field of southeastern Kansas. *Kansas Historical Quarterly* 41: 150-65 1975.

The demand for labor in the mines caused a considerable immigration of Italians and Austrians around the turn of the century.
232. PROPOSED PLAN FOR SMELTING IRON ORE WITH ANTHRACITE COAL
Journal of the Franklin Institute 8: 231-32 1831.
233. PRYDE, GEORGE B.
The Union Pacific Coal Company, 1868-1952. *Annals of Wyoming* 25: 190-205 1953.
234. RANDOLPH, B. S.
History of the Maryland coal region. *Maryland Geological Survey* 5: 529-618 1905.

Includes short accounts of the major coal mining companies operating in the area.
235. RANDOLPH, L. S.
Virginia anthracite coal. *Cassier's Magazine* 27: 328-36 1904/5.

History and general description of the area.
236. RANICK, ELMER
In the mines . . . two women remember. *Mountain Life and Work* Feb. 1975, 35-37.

Women recall working in the mines with their fathers in Va. and W. Va. in the late 1930's and 1940's.

237. RASHLEIGH, ALICE V.
The story of Carbondale and the "black stone." Pennsylvania. Dept. of Internal Affairs. *Monthly Bulletin* N 1951 11-18.
238. RELATIVE VALUE OF STONE COAL AND CORD WOOD
Western Journal 2: 175-77 1849.
Coal said to be superior to cord wood as a fuel for steamboats.
239. REMARKS UPON THE USE OF ANTHRACITE AND ITS APPLICATION TO THE VARIOUS PURPOSES OF DOMESTIC ECONOMY
Journal of the Franklin Institute 2: 292-95 1826.
Author advocates the use of anthracite for heating and cooking in the home and notes ways that it may be used most effectively.
240. REYNOLDS, S. C.
The snow-bird mine. *Coal Age* 14: 58-59 1918.
Discussion of the many small "wagon mines" which developed as a result of the high price of coal.
241. RHODES, JAMES F.
The coal and iron industry of Cleveland. *Magazine of Western History* 2: 337-45 1885.
242. RICE, OTIS K.
Coal mining in the Kanawha Valley to 1861: a view of industrialization in the Old South. *Journal of Southern History* 31: 393-416 1965.
Problems of financing and transportation greatly hindered the development of the coal industry in the Kanawha Valley.
243. RICH, PAUL
Early industries in Perry County, Illinois. Illinois Historical Society. *Journal* 26: 349-53 1934.
Coal mining was the principal industry.
244. RICHARDS, W. B.
The story of coal. *Coal Age* 15: 441-45 1919.
Devoted largely to the early history of coal mining in Pennsylvania.
245. RICHARDSON, RICHARD
Memoir of Joseph White; showing his connection with the introduction and use of anthracite coal and iron . . . Philadelphia: Lippincott, 1873. 135p.

246. RICHMOND, WILLIAM H.
Recollections of ninety five years in Connecticut and the anthracite regions of Pennsylvania. *Journal of American History* 13: 257-72 1919.

The above is part 2 of the series and is confined to Richmond's experiences in the coal region.
247. RICKARD, THOMAS A.
A history of American mining. New York: McGraw-Hill, 1932. 419p.
248. RIDGWAY, THOMAS S.
Memorial of Prof. Ridgway in relation to the coal field of Rhode Island. Providence, 1870. 12p.
249. ROBBINS, W. B.
Cheap fuel. Louisville, 1855. 16p.

A discussion of the need for "effective organization" in procuring cheap coal from Mason County, Virginia. The newly-chartered Kentucky Fuel Company was advanced as the solution.
250. ROBERTS, DERRELL
Joseph E. Brown and his Georgia mines. *Georgia Historical Quarterly* 52: 285-92 1968.

Account of a leading business and political figure of post Civil War Georgia.
251. ROBERTS, W. F.
Abstract of a report on the coal and iron estate of the Little Schuylkill Navigation, Railroad and Coal Company. Philadelphia: John C. Clark, 1846. 21p.

"Great as the coal trade now seems . . . it can scarcely yet be considered as past its infancy."
252. ROBERTS, W. F.
Reports upon the West Hazleton and Cattawissa Falls, and the East Mahanoy coal and iron estates. Philadelphia: John C. Clark, 1846. 22p.
253. ROCKVILLE COAL MINING COMPANY (JEFFERSON COUNTY, OHIO)
Articles of association, constitution and by-laws, articles of agreement. Steubenville, Ohio, 1853. 12p.
254. ROSS, HUGH
John Lewis and the election of 1940. *Labor History* 17: 160-89 1976.

255. ROTHERT, OTTO A.
Coal mining and its bearing on local history. Kentucky Historical Society. *Register* 12: 33-36 1914.
256. ROTHERT, OTTO A.
Coal mining history of Muhlenberg County, Kentucky. *Coal Age* 5: 10-11 1914.
257. ROY, ANDREW
The coal mines. Cleveland: Robinson, Savage & Co., 1876. 367p.
A general discussion of the history, technology and current state of the industry.
258. ROY, ANDREW
A history of the coal miners of the U.S., from the development of the mines to the close of the anthracite strike of 1902, 3rd ed., rev. and enl. Columbus, Ohio; Trouger Printing Co., 1907. 465p. (1903 ed. has 454 p.)
259. ROY, ANDREW
The Jackson shaft coal and the Wellston coal of Jackson County (Ohio). *Ohio Mining Journal* 2: 162-75 1883/84.
Much historical information
260. ROY, ANDREW
The Ohio coal field. *Ohio Mining Journal* 2: 121-29 1883/84.
A history of the field's development.
261. RUFFIN, EDMUND
Visit to Graham's coal pits. *Farmers Register* 5: 315-19 1837.
In the Virginia coal fields.
262. RUTHERFORD, GEORGE W.
A management analysis of the coal chemical industry. Thesis. University of Pennsylvania. 1960.
263. RUTLAND, ROBERT
The mining camps of Iowa: faded sources of Hawkeye history. *Iowa Journal of History* 54: 35-42 1956.
264. RUTLEDGE, J. J.
Recollections on early mining in Illinois. Illinois Mining Institute. *Proceedings* 52: 76-84 1944.

265. RYAN, FREDERICK
The development of coal operators' associations in the Southwest. *Southwestern Social Science Quarterly* 14: 133-44 1933.
266. SALINE COAL AND MANUFACTURING CO.
Report of the president and directors . . . Cincinnati: T. Wrightson, 1855. 91p.
267. SCHAEFER, DONALD F.
A quantitative description and analysis of the growth of the Pennsylvania anthracite coal industry, 1820-1865. Dissertation. University of North Carolina. 1967. 234p.
268. SHAMOKIN COAL AND IRON COMPANY
Brief sketch of the peculiar advantages of the Shamokin Coal and Iron Company. Philadelphia: Brown, Bicking & Guilbert 1841. 33p.
269. SHEPPARD, MURIEL
Cloud by day, the story of coal and coke and people. Chapel Hill: University of North Carolina Press, 1947. 266p.

A description of economic and social conditions in the coal and coke regions of south-western Pennsylvania.
270. SHURICK, ADAM
The coal industry. Boston: Little, Brown, 1924. 383p.

History, mining methods, distribution, economic and sociological conditions.
271. SILLIMAN, BENJAMIN
Anthracite coal of Pennsylvania . . . Remarks upon its properties and economic uses. *American Journal of Science* 10: 331-51 1826.
272. SILLIMAN, BENJAMIN
Anthracite coal of Rhode Island. *American Journal of Science* 11: 78-100 1826.
273. SILLIMAN, BENJAMIN
Notes on a journey from New Haven, Connecticut, to Mauch Chunk and other anthracite regions of Pennsylvania. *American Journal of Science* 19: 1-21 1831.

274. SILLIMAN, BENJAMIN & O. B. HUBBARD
Chemical examination of Bituminous Coal from the pits of the Mid Lothian Coal Mining Company, south side of James River . . . *American Journal of Science* 42: 369-74 1842.

"We hesitate not to recommend it as an excellent fuel, which has no occasion to shun a comparison with the best mineral coal of this country or of Europe".
275. SLAB FORK COAL COMPANY
Golden Anniversary celebration. Beckley, West Virginia, 1957. 24p.

Slab Fork Coal Co. was the first major producer in the Winding Gulf smokeless coal field in West Virginia. This booklet contains much historical information.
276. SLUZALIS, STANLEY E.
Land of the black diamond. New York: Vantage Press, 1969. 68p.

Sketches of the history, manners and customs in the Pennsylvania anthracite region. Author was a miner.
277. SMITH, EUGENE
Historical account of coal mining operations in Alabama since 1853. In Alabama Geological Survey. Progress Report for 1875. pp. 28-44.
278. SMURTHWAITE, WILLIAM
Coal mining at Steubenville, Ohio. *Ohio Mining Journal* 1: 53-59 1882/83.
279. SMURTHWAITE, WILLIAM
Sketch of the development of the Steubenville shaft mines. *Ohio Mining Journal* 2: 100-5 1883/84.
280. STODDARD, PAUL W.
The knowledge of coal and iron in Ohio before 1835. *Ohio Archaeol. & Historical Quarterly* 38: 219-30 1929.
281. STRONG, HENRY K.
Report to the Legislature of Pennsylvania containing a description of the Swatara mining district. Harrisburg: Boas & Coplan, 1839. 61p.
282. STURGEON, MYRON T.
History of Ohio's northernmost coal mine. *Ohio Journal of Science* 44: 255-64 1944.

In Geauga County.

283. SWAIN, GEORGE T.
The incomparable Don Chafin: review of the life of Logan's dauntless and indomitable sheriff, who prevented the invasion of Logan County on two occasions by armed miners from the Kanawha Valley coal fields. Charleston, West Virginia, 1962. 40p.
284. SWANK, JAMES M.
History of the manufacture of iron in all ages . . . Also a history of early coal mining in the United States. Philadelphia: American Iron & Steel Association 2nd ed. 1892. 554p.
285. SWANK, JAMES M.
Introduction to the history of iron making and coal mining in Pennsylvania. Philadelphia, 1878. 125p.
286. SWEET, SYLVANUS H.
Special report on coal: showing its distribution, classification and cost delivered over different routes to various points in the State of New York and the principal cities on the Atlantic coast. New York: Van Nostrand, 1866. 94p.
287. SWISHER, JACOB A.
The rise and fall of Buxton. *Palimpsest* 26: 179-92 1946.
Brief account of the famous coal mining community in Iowa.
288. SWITCH-BACK RAILROAD
Historical sketch of the switchback railroad, the discovery of anthracite coal, and an account of the rise and growth of the Lehigh Coal & Navigation Company, New York, 1882. 20p.
289. SYCAMORE COAL MINES
Description of the Sycamore Coal Mines, plan of a mining company now forming in Cincinnati. 2nd ed. Cincinnati, 1850. 12p.
290. TAMS, W. P. JR.
The smokeless coal fields of West Virginia; a brief history. Morgantown, West Virginia University Library, 1963. 106p.

Tams was one of the leading operators in the southern West Virginia coal fields. His book is by far the best single source of information for this area.

291. TANKERSLEY, ALLEN P.
Zachariah Herndon Gordon (1796-1886). *Georgia Historical Quarterly* 36: 231-49 1952.

Gordon was, among other things, an operator of coal mines in Georgia and Alabama.
292. TAYLOR, GEORGE
Effect of incorporated coal companies upon the anthracite coal trade of Pennsylvania. Pottsville: Bannan, 1833. 34p.
293. TAYLOR, RICHARD C.
Statistics of coal. Philadelphia: J. W. Moore, 1848. 754p.

"Production, consumption and commercial distribution in all parts of the world; together with their prices, tariffs, duties and international regulations."
294. TAYLOR, RICHARD C.
Two reports on the coal lands, mines and improvements of the Dauphin and Susquehanna Coal Company and of the geological examinations, present condition and prospects of the Stoney Creek Coal Estate. Philadelphia, E. G. Dorsey, 1840. 74p.
295. THARP, MARILYN
Story of coal at Newcastle. *Pacific Northwest Quarterly* 48: 120-26 1957.

Brief history of the early coal industry in the Seattle, Washington area.
296. THOMAS, JERRY B.
Coal country: the rise of the southern smokeless coal industry and its effect on area development, 1872-1910. Dissertation. University of North Carolina, 1971. 339p.

"As in much of Appalachia, the coal industry determined the nature and pace of southern West Virginia's social and economic development." The impact of the coal industry upon one part of Appalachia—the southern smokeless coal fields—is the theme of this study.
297. THOMAS, JERRY BRUCE
The growth of the coal industry in the Great Kanawha Basin. Thesis (M. A.) University of North Carolina, 1967. 122p.
298. THOMAS, SAMUEL
Reminiscences of the early anthracite-iron industry. *AIME Transactions* 29: 901-28 1899.

299. THROOP, BENJAMIN
A half century in Scranton, Pennsylvania, 1895. 335p.
Throop, a physician, came to Scranton in 1840. He gives much on the development of the mining industry.
300. THURMOND, WALTER R.
The Logan Coal Field of West Virginia; a brief history. Morgantown: West Virginia University Library, 1964. 110p.
The author was a leading coal operator in the Logan Field and was for many years Secretary of the Southern Coal Producers Association.
301. TIPTON, J. C.
Cumberland coal fields and its creators. Middlesboro, Kentucky. Pinnacle Printery, 1905. 112p.
302. TUOMEY, M.
Notice of the Appomattox coal pits. *Farmers Register*. 10: 449-50 1842.
Virginia coal fields.
303. UNION PACIFIC COAL COMPANY
History of the Union Pacific coal mines, 1868 to 1940. Omaha: Colonial Press. 1940. 265p.
304. UNION POTOMAC COMPANY
Charters . . . with a letter addressed to Duff Green, by the Hon. Charles Kinsey, on the subject of the coal and iron mines in the counties of Hampshire, Virginia and Alleghany, Maryland. Washington: Duff Green, 1836. 43p.
305. U. S. CONGRESS. HOUSE
Coal trade—Richmond. Washington, 1837. 8p. (24th Cong., 2nd. Sess. House. Doc. 93).
Petition of Virginia coal operators against a reduction of duties on coal.
306. VERHOFF, MARY
The Kentucky mountains, transportation and commerce, 1750-1911; a study in the economic history of a coal field. Louisville: Filson Club, 1911. 208p. (Filson Club Publication 26).
307. VINING, STANLEY A.
Men and coal in Kansas, their history and politics. Thesis. University of Kansas. 1957. 246p.

308. VISIT TO A COAL MINE
Hunt's Merchants' Magazine 30: 245-47 1854.
Account of a mining operation in the Wyoming Valley of Pennsylvania.
309. VISIT TO THE LACKAWANNA MINES
Knickerbocker 15: 102-6 1840.
310. WAGNER, E. A.
The Girard coal lands: a history describing the purchase, attempted development and later successful working of the coal property, which was bequeathed to the City of Philadelphia by Stephen Girard. *Colliery Engineer*. In installments through volumes 8 and 9 (1887-1889).
311. WALKER, ELMORE
The Pennsylvania coal fields and their connections with and relation to Buffalo. Buffalo: Matthews & Warren, 1868. 64p.
312. WALLING, HENRY F.
The Morris and Essex R. R. and the anthracite coal regions of Pennsylvania. New York, 1867. 63p.
"With sketches of cities, villages, stations, scenery, and objects of interest along the route."
313. WALTER, R. A.
Historical sketch of the George's Creek (Maryland) coal region. *Coal Age* 5: 995-1000 1914.
314. WALTERS, A.
Coal deposits of Boulder County, Colorado. *American Journal of Mining* 4: 242 1867.
Brief account of development and early status of mining in the area.
315. WALTON, THOMAS H.
Life in coal mines. *Lippincott's Monthly Magazine* 3: 517-21 1869.
Author describes the rough and dangerous work of miners. Written from his own experience in the mines.
316. WARDLEY, C. S.
The early development of the H. C. Frick Coke Company. *Western Pennsylvania Historical Magazine* 32: 79-86 1949.
Covers the period from approximately 1882 to 1901.

317. WEST VIRGINIA COAL MINING COMPANY, INC.
Charter. Washington: J. T. Towers, 1848. 23p.
318. WEST VIRGINIA GHOST TOWNS
Mountain Trace Spring 1976 41-45.

Description and photographs of two once booming coal towns in the New River field.
319. WHITE, ELIZABETH
Development of the bituminous coal mining industry in Logan County, West Virginia. Thesis. Marshall College. 1956.
320. WHITE, JOSIAH
Josiah White's history, given by himself. [Philadelphia, 1909]. 75p.

"The journal of Josiah White is published, as giving in detail the circumstances which led to the introduction of canal navigation and the use of anthracite coal in Pennsylvania."
321. WHITTLESEY, CHARLES
Discovery of coal in Ohio and early mine work. *Ohio Mining Journal* 2: 15-17 1883/84.
322. WHITTLESEY, CHARLES
History of the coal and iron business from Cleveland as it is, 1872. [Cleveland, 1872]. 8p.
323. WILLIAMS, JOHN A.
The bituminous coal lobby and the Wilson-Gorman Tariff of 1894. *Maryland Historical Magazine* 68: 273-287 Summer 1973.

How Henry G. Davis, Stephen B. Elkins, and Richard C. Kerns rallied the seaboard producers to exert their influence in congress and successfully defended the duty on coal.
324. WILLIAMS, JOHN A.
West Virginia and the captains of industry. Morgantown: West Virginia University Library. 1976. 363p.

Includes much material on the development of the coal industry in West Virginia.
325. WITT, MATT
Coalfield education: do our children learn their labor heritage in school. *United Mine Workers Journal* Mr 16/31, 1975 13-23.

With few exceptions, schools in the coalfields teach little or nothing about the development of the coal industry.

326. WOODWORTH, JAY B.
The history of conditions of mining in the Richmond coal basin, Virginia. *AIME. Transaction* 31: 477-84 1901.
327. WOOLDRIDGE, A. S.
Geological and statistical notice of the coal mines in the vicinity of Virginia. *American Journal of Science* 43: 1-13 1842.
Largely historical in nature, the title to the contrary.
328. WYOMING COAL
Hazard 's Register of Pennsylvania 6: 314-15 1830.
Account of the coal trade in the Wyoming Valley, Pennsylvania.
329. YEARLEY, C. K.
Enterprise and anthracite: economics and democracy in Schuylkill County, 1820-1875. Baltimore: Johns Hopkins Press, 1961. 254p. (*Johns Hopkins University Studies in Historical and Political Science* 79: 1).

Economics

330. ADAMS, JOHN W.
Costs and efficiency in the wholesaling and retailing of coal. *Ann. Amer. Acad.* 111: 145-54 1924.
331. ADAMS, ROBERT T.
Technology and productivity in bituminous coal. *MLR* 84: 1081-86 1961.
332. ADAMS, RUSSELL K.
A study of marginal coal mines in southern West Virginia. Thesis. University of Pennsylvania. 1954.
333. ADDERFER, EVAN
Paleozoic pains in Pennsylvania. Federal Reserve Bank of Philadelphia. *Business Review* F 1963 3-13.
334. AMAX COAL PUTS IT ALL TOGETHER
Coal Age Oct. 1974 91-138.
A "corporate profile" of Amax Coal.
335. AMERICAN ENGINEERING COUNCIL
Industrial coal; purchase, delivery and storage. New York: Ronald Press, 1924. 419p.
336. AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS
Gasification and liquefaction of coal. New York, 1953. 221p.
337. ANKENY, MARLING J.
A look at coal's future markets. *Public Utilities Fortnightly* 70: 413-17 1962.
A generally optimistic view by the director of the U. S. Bureau of Mines.

338. ANTHRACITE COAL PRODUCTION CONTROL PLAN
University of Pennsylvania Law Review 102: 368-94 1954.
A history and analysis of the Plan, in effect since 1941.
339. APPALACHIAN COAL TODAY—AND TOMORROW
Coal Age Mid-May 1975
Entire issue is devoted to the coal industry in Appalachia, its present state and future prospects.
340. ARCHBALD, HUGH
The problem of efficiency and cost reduction in coal mining. *Ann. Amer. Acad.* 111: 181-190 1924.
341. ASHBURNER, CHARLES A.
Coal trade and miners' wages in the United States in the year 1888. *AIME. Transactions* 18: 122-39 1889/90.
342. ASHLEY, GEORGE H.
New Coal age. *Economic Geology* 44: 161-68 1949.
Author sees a bright future for the coal industry. His optimism based on a sharp increase in the need for power and the assumed unavailability of other power sources in significant quantities at competitive prices.
343. ASHLEY, GEORGE H.
The valuation of public coal lands. Washington: GPO, 1910. 75p. (USGS, Bulletin 424).
344. ASHLEY, WILLIAM J.
The adjustment of wages; a study in the coal and iron industries of Great Britain and America. London and New York: Longmans, 1903. 362p.
345. ASHMEAD, DEVER C.
Can anthracite mines be operated profitably on more than one shift. *AIME. Transactions* 68: 332-59 1922.
346. AURAND, HAROLD W.
Diversifying the economy of the anthracite regions, 1880-1900. *Pennsylvania Magazine of History & Biography* 94: 54-61 1970.
347. AVRIL, LAWRENCE P.
Variations in the financial experience of bituminous coal companies. Thesis. Indiana University. 1950.

348. AYER, THOMAS P.
Coal prices: a selected bibliography. *Ann. Amer. Acad.*
111: 344-62 1924.
349. BACK TO GOOD OLE COAL
Southern Exposure Fall 1974 164-69.
"The coal industry is more highly concentrated, better financed, and
more monopolistically controlled than ever before".
350. BACKMAN, JULES
Bituminous coal wages, profits and productivity. [Wash-
ington], 1950. 128p.
Prepared for the Southern Coal Producers Association.
351. BAKERMAN, THEODORE
Anthracite coal; a study of advanced industrial decline. Ph.
D. University of Pennsylvania. 1956.
352. BARGER, HAROLD AND S. H. SCHURR
The mining industries, 1899-1939. A study of output, em-
ployment and productivity. New York: National Bureau of
Economic Research, 1944. 452p. (Its Publication No. 43).
353. BARKUS, GARY
The West Virginia tax structure: the people and coal.
Charleston: Appalachian Research and Defense Fund,
1971. 27p.
354. BEDDOW, W. W.
Coal company organization. *Coal Age* 13: 788-80 1918.
Author urges better coordination of departments in the management
of coal companies.
355. BERGER ASSOCIATES, AND A. B. RIEDEL ASSOCIATES
Evaluation of mining constraints to the revitalization of
Pennsylvania anthracite. Washington: Bureau of Mines,
1975. 375p. (Distributed by National Technical Informa-
tion Service, PB-242 580).
"Objective . . . was to evaluate the technical and economic con-
straints on the extraction and utilization of anthracite coal and to
determine the research and development needed.
356. BERNHEIMER, F. P.
Study of the Pennsylvania anthracite coal tax. Thesis. Uni-
versity of Pennsylvania. 1925.

357. BEZANSON, ANNE
Earnings of coal miners. *Ann. Amer. Acad.* 11: 1-11 1924.
358. BIELICKI, RICHARD J. AND DAVID C. UHRIN
Coal mine equipment forecast to 1985. Washington: GPO, 1976. 37p. (U.S. Bureau of Mines. Information Circular 8710).

Study "Estimates the number of major pieces of coal mining equipment that will be required to produce 950 million tons of marketable coal in 1980 and 1.2 billion tons in 1985."
359. BITUMINOUS COAL; RICHEST MAN ON POOR STREET
Forbes Ja 1, 1958 67-70.

"Coal management rarely makes its riches pay their way."
360. BLANKENSHIP, RONDA L. C.
Appalachian Coals, Inc.; a bituminous coal producers' marketing agency. Thesis. West Virginia University. 1949. 70p.
361. BLOCH, LOUIS
The coal miners' insecurity. New York: Russell Sage Foundation, 1922. 50p.

Stresses irregularity of employment in the coal industry.
362. BOCKUS, C. E.
Bituminous coal problems. *Harvard Business Review* 1: 290-99 1923.
363. BOECKLIN, WERNER
The coal industry of Greater New York. *Engineering Magazine* 35: 893-905 1908.
364. BONDURANT, DONALD M.
A new technique for evaluating coal property for ad valorem tax assessment. *West Virginia Law Review* 76: 337-341 1974.

Describes the new method and its advantages. A major plus is that it "will remove the county to county variances in assessed values. . ."
365. BOOZ, ALLEN AND HAMILTON, INC.
Study of the eastern industrial coal market. Washington: Office of Coal Research, 1967. 95p.
366. BOOZ, ALLEN AND HAMILTON, INC.
Survey of opportunities to stimulate coal utilization. Washington: Office of Coal Research, 1962. 2 vols.

367. BOSTON. CHAMBER OF COMMERCE. COMMITTEE ON FUEL SUPPLY
The buying and handling of steam coal; report by the committee on Fuel Supply of the Boston Chamber of Commerce, November, 1909. [Boston, 1909]. 48p.
368. BOULDING, RUSSELL
What is pure coal. *Environment* Ja/Feb 1976 12-17.
"The tendency of coal investigators to deal with coal on a weight basis rather than on a Btu basis has lead to serious misrepresentations of coal data".
369. BOWDEN, WITT
Wage and price structure in the bituminous coal industry. *MLR* 53: 293-313 1941.
370. BOWMAN, MARY J. AND W. W. HAYNES
Resources and people in East Kentucky: Problems and potentials of a lagging economy. Baltimore: Johns Hopkins, 1963. 448p.
371. BRADLEY, JOSEPH G.
Southern coal production and distribution in relation to American industry. American Mining Congress. *Proceedings* 25: 86-92 1922.
372. BRODERICK, GRACE N.
Supply and demand for energy in the United States by states and regions, 1960 and 1965. Washington: GPO, 1969, 21p. (U.S. Bureau of Mines. Information Circular 8401).
A four-part study. This Circular deals with coal.
373. BROWN, P. AND A. KOUZIAN
Wage structure in bituminous coal mining, fall of 1945. *MLR* 62: 550-59 1946.
374. BUCHANAN, JOHN A.
A survey of labor requirements in northern West Virginia coal mines in 1957. Thesis. West Virginia University. 1960. 73p.
375. BURKE, STEPHEN P.
"Price-fixing" in the bituminous coal industry; a legal-economic problem. Fairmont, West Virginia, 1935. 40p.
376. BURROWS, JOHN S.
Results of purchasing coal under government specifications. Washington: GPO, 1909. 44p. (USGS. Bulletin 378).

377. CAMPBELL, ROLLA D. AND OTHERS
Ad valorem taxation of coal bearing lands in West Virginia, a viewpoint of the coal industry. *West Virginia Law Review* 76: 343-65 1974.
378. CAMPBELL, THOMAS C.
Competition in the bituminous coal industry. West Virginia Academy of Sciences. *Proceedings* 23: 128-32 1951.
"There is little doubt that the bituminous coal industry is almost perfectly competitive."
379. CARTER, EDWARD W.
Price fixing in the bituminous coal industry. *Ann. Amer. Acad.* 193: 120-29 1937.
380. CHANCE, H. M.
Appraisal of coal lands for taxation. AIME. *Transactions* 50: 625-39 1914.
381. CHANCE, H. M.
Appraisal of coal properties. AIME. *Transactions* 74: 443-55 1926.
382. CHANCE, H. M.
Appraisement of Michigan coal lands. *Coal Age* 2: 13-14, 51-53 1912.
383. CHANCE, H. M.
Valuation of coal land. AIME. *Transactions* 47: 111-46 1913.
384. CHAPLIN, RONALD L.
Spatial changes in coal employment within Southern Illinois. Thesis. Southern Illinois University. 1961.
385. CHARLE, EDWIN G.
The demand for coal for power generation in the Tennessee Valley. Dissertation. University of Indiana. 1958. 228p.
386. CHARLES RIVER ASSOCIATES
Economic impact of public policy on the Appalachian coal industry and the regional economy. Cambridge, 1973. 3 vols.

387. CHRISTENSON, CARROLL L.
Economic redevelopment in bituminous coal; the special case of technological advance in United States coal mines. 1930-1960. Cambridge: Harvard University Press, 1962. 312p. (Wertheim Publications in Industrial Relations).
388. CHRISTENSON, CARROLL L.
The impact of labor disputes upon coal consumption. *American Economic Review* 45: 79-112 1955.
389. CHRISTENSON, CARROLL L.
The theory of the offset factor: the impact of labor disputes upon coal production. *American Economic Review* 43: 513-47 1953.
390. CLAYTON, E. E.
An economic analysis of labor conditions in the Indiana coal industry in 1932. Thesis. Indiana University. 1941.
391. COAL
Fortune Mr 1947 85-99; Ap 1947 99-105.
A series of articles on "our No. 1 national resources, which we mine inefficiently, transport wastefully and consume foolishly."
392. COAL CHALLENGE AND RESPONSE
Forbes My 15, 1963 23-7.
"Now coal may be poised for a real comeback."
393. COAL COMPANY GETS OFF THE HOOK
Business Week Ap 20, 1957 99-100.
The revitalization of the Philadelphia & Reading Co.
394. COAL FOR THE 70's: A PENNSYLVANIA ACTION CONFERENCE
Middletown: Institute of State and Regional Affairs, Pennsylvania State University, Capitol Campus, 1974. 339p.
395. COAL INDUSTRY MAKES A DRAMATIC COMEBACK
Business Week 50-5+ Nov. 4 1972.
396. COAL INDUSTRY'S CONTROVERSIAL MOVE WEST
Business Week My 11, 1974 134-38.

397. COAL SHEIK
Forbes Sept. 15, 1975 84-85.

James Harless, a southern West Virginia coal operator, is one of many who became rich as a result of the rise in coal prices as a result of OPEC's activities.

398. COAL: THE BASIC ANSWER FOR THE NEXT DOZEN YEARS
Business Week Ap 21, 1973 54-6.

"No industry has a greater opportunity to capitalize on the energy crisis than coal."

399. COAL: THE DWINDLING DOMAIN
Fortune S 1953 61-2.

"We are a 450-million-ton industry still trying to act like a 750-million ton industry."

400. COAL, THE PITT-CONSOL ADVENTURE
Fortune Jl 1947 96-105.

Account of the Pittsburgh-Consolidation Coal Co.

401. COAL'S COMEBACK AT MOSS NO. 3
Fortune O 1963 130-35.

Moss No. 3 is the giant mine of the Clinchfield Coal Company (Pittston) in south-west Virginia. The mine is an example of the massive investment now being made in coal.

402. COHN, ELCHANAN AND OTHERS
Forecasting aggregate demand for coal miners. *Applied Economics* 7: 81-92 1975.

"Based on the demand and supply forecasts, it does not appear that manpower shortages are likely to occur in the bituminous coal mining industry either in 1985 or 2000."

403. COHN, ELCHANAN AND OTHERS
Forecasting aggregate supply of coal miners. *Socio-Economic Planning Sciences* 8: 293-99 1974.

404. COLEMAN, RON
Coal's Happy Face. *Commonwealth* (Virginia) Ja 1976 18-21.

Account of the economic boom in Buchanan County, Va.

405. COMANOR, WILLIAM S.
Competition and the performance of the midwestern coal industry. *Journal of Industrial Economics* 14: 212-225 1966.

"The midwestern coal industry does not appear to be a valid exception to the general proposition that market performance is best served by the promotion of competition."

406. COMPLETED WAGE SCHEDULE FOR BITUMINOUS COAL INDUSTRY
MLR 37: 1073-81 1933.
407. CONE, FREDERICK L. AND JACK SCHMULOWITZ
Impact of black lung benefits on public assistance. *Social Security Bulletin* Nov. 1972 15-19.
408. CONFERENCE ON THE COMMERCIAL AND ECONOMIC HEALTH OF THE BITUMINOUS COAL INDUSTRY, WEST VIRGINIA UNIVERSITY, 1953.
Proceedings. Morgantown: West Virginia University, 1954. 14p. (Business and Economic Studies 3: 1).
409. CONFERENCE ON ECONOMIC RESEARCH IN THE BITUMINOUS COAL INDUSTRY
Proceedings. Morgantown: West Virginia University, 1953. 15p. (West Virginia University Business & Economic Studies 2:2).
410. CONFERENCE ON PRICE RESEARCH
Report of the Committee on Prices in the Bituminous Coal Industry. New York: National Bureau of Economics Research, 1938. 144p.
411. CONSOLIDATED COAL COMPANY
Coal Age Sept. 1972 89-156.
Issue devoted to the various operations of the Consolidation Coal Co.
412. COWAN, DONALD R.
More capital equipment: coal's foremost economic need. Washington: National Coal Association, [1948]. 59p.
413. CREWS, RALPH
Cooperation in the marketing of coal. American Marketing Congress. *Proceedings* 19: 184-92 1916.
414. CRUM, W. L. AND H. B. VANDERBLUE
Coal mining and the business cycle. *Harvard Business Review* 4: 71-77 1925.
415. CUSHING, GEORGE H.
Selling coal. American Economic Association. *Papers & Proceedings* 11: 85-93 1921.

416. DAVID, JOHN P.
Earnings, health, safety, and welfare of bituminous coal miners since the encouragement of mechanization by the United Mine Workers of America. Dissertation. West Virginia University, 1972. 295p.
417. DAVIS, BLAINE A.
Marketing problems of bituminous coal. *Harvard Business Review* 11: 97-106 1932.
418. DAY, DAVID T.
The course of the retail coal trade. *National Geographic* 13: 394-98 1902.
419. DEANS, PARKE P.
Coal mining and workmen's compensation (with discussion). U. S. Bureau of Labor Statistics. *Bulletin* 511: 279-91 1930.
420. DEASY, GEORGE F. AND PHYLLIS R. GRIESS
Local and regional differences in long term bituminous coal production prospects in eastern United States. Association of American Geographers. *Annals* 57: 519-33 1967.

The major objective of the study is to attempt "to forecast future local and regional responses to the forthcoming increase in national demands for energy".
421. DEMAND FOR ENERGY AND APPALACHIA'S COAL
Appalachia Feb/Mr 1972 1-5.
422. DEVINE, EDWARD T.
Coal; economic problems of the mining, marketing and consumption of anthracite and soft coal in the United States. Bloomington, Indiana: American Review Service Press, 1925. 448p.
423. DIALS, GEORGE E. AND ELIZABETH C. MOORE
Cost of coal. *Environment* Sept 1974 18-24+.

The demand for energy is such that the human and environmental costs of coal mining can be met without jeopardizing coal's competitive advantage.
424. DIEHL, RICHARD A.
How international energy elite rules. *Peoples' Appalachia* Apr/My 1970 1, 7-12.

Oil companies aim to control the coal industry and thus gain a near monopoly on energy.

425. DILWORTH, JOHN B. (CHAIRMAN)
Report of Committee on Methods of Valuing Coal Properties. AIME. *Transactions* 108: 400-42 1934.
426. DILWORTH, JOHN B.
Valuation of coal properties. AIME. *Transactions* 76: 215-36 1928.
427. DIXON, HARRY M.
The Illinois coal mining industry. Dissertation. University of Illinois. 1951. 277p.
428. DOERR, ARTHUR
Chicago's coal; its origin, movement to market and use. *Journal of Geography* 49: 261-69 1950.
429. DONNEGAN, JOHN J.
Sales promotion activity in the anthracite industry. Thesis. University of Pennsylvania. 1951.
430. DORLAND, JACK A.
The 5½ year cycle in soft coal stocks. *Cycles* 13: 181-3 1962.
431. DRURY, HORACE B.
Social cost of irregular employment in coal mining. *American Labor Legislation Review* 14: 81-89 1924.
432. DRURY, HORACE B.
Wages in the coal industry as compared with wages in other industries. *Ann Amer. Acad.* 111: 314-343 1924.
- 432a. DUFFIELD, JOHN AND OTHERS
Defining the market for great plains coal. *Montana Business Quarterly* Summer 1976 18-25.
433. DULUTH AND WEST SUPERIOR; THEIR PRESENT AND FUTURE AS GREAT COAL DISTRIBUTING CENTERS
Black Diamond 6: 179-81 1890/91.
434. DUNBAR, FRED C.
Appalachian coal industry in 1980—how it looks through the eyes of professional forecasters. *Coal Age* Sept. 1973 90-95.

Discussion of the contents of a three-volume report to the Appalachian Regional Commission by the Charles River Associates. Title of report is "The Economic Impact of Public Policy on the Appalachian Coal Industry and the Regional Economy."

435. DUNHAM, JAMES AND OTHERS
High sulfur coal for generating electricity. *Science* 184:
346-51 1974.
Account of the major economic and technical problems involved.
436. DUNN, STEPHEN F.
Position paper of United States employer delegate to ILO
tripartite technical meeting on the social consequences of
the crisis in the coal mining industry, Geneva, Switzerland,
January 16-26, 1961. Washington: National Coal Associa-
tion, 1961. 17p.
437. DURAND, WALTER
Where the consumer's dollar goes. *Ann. Amer. Acad.* 111:
125-44 1924.
Analysis of prices and profits in the anthracite coal industry.
438. ECKEL, EDWIN C.
Coal, iron, and war. New York: Holt, 1920. 375p.
439. EASTERN ASSOCIATED COAL CORP.
Coal Age Oct. 1969 94-188.
Much of this issue is devoted to the development and current oper-
ations of Eastern.
440. EAVENSON, HOWARD N.
Data about labor employed in various bituminous mines.
AIME. Transactions 70: 805-25 1924.
441. EDMONSON, NATHAN
Real price and the consumption of mineral energy in the
United States, 1901-1968. *Journal of Industrial Economics*
23: 161-73 1975.
442. EDWARDS, M. W. A.
Bituminous coal economics. *Mining Congress Journal* Feb.
1966 115-19.
Survey of production, consumption and exports.
443. EMPLOYMENT IN RELATION TO MECHANIZATION IN THE BIT-
UMINOUS COAL INDUSTRY
MLR 36: 256-78 1933.
444. EVEREST, HERBERT A.
Economics in a small coal mine. *AIME. Transactions* 54:
185-87 1916.

445. FALTERMAYER, EDMUND
It's back to the pits for coal's new future *Fortune* Je 1974
136-9+.
446. FEDERAL RESERVE BANK OF CLEVELAND
Changing fortunes of bituminous coal. Cleveland, 1957.
31p.
Appeared first in four issues of its Monthly Review for 1956.
447. FIES, MILTON H.
Case of the Alabama coal operators. . . Birmingham, 1934.
16p.
Argument against the threatened competition of the TVA.
448. FISHER, STAN
Profile of the Drummond Co. *Coal Age* Mr 1974 88-92.
Account of the development and current operations of a major Alabama mining company with large reserves of metallurgical coal.
449. FISHER, WALDO E.
Economic consequences of the seven-hour day and wage changes in the bituminous coal industry. Philadelphia, 1939. 130p. (Industrial Research Department, Wharton School of Finance & Commerce, University of Pennsylvania. Research Studies XXXII).
450. FISHER, WALDO E. AND CHARLES M. JAMES
Minimum price fixing in the bituminous coal industry. Princeton: Princeton University Press, 1955. 523p.
451. FISHER, WALDO E. AND ANNE BENZANSON
Wage rates and working time in the bituminous coal industry 1912-1922. Philadelphia: University of Pennsylvania Press, 1932. 374p.
452. FISHMAN, LEO AND BETTY G.
Bituminous coal production during World War II. *Southern Economic Journal* 18: 391-96 1952.
453. FLEDDERUS, MARY L. AND MARY VAN KLEECK
Technology and livelihood. New York: Russell Sage, 1944. 237p.
Contains data on technical change and increasing labor productivity in the bituminous coal industry.

454. FLEMING, HENRY S.
Report to the Bituminous Coal Trade Association on the present and future of the bituminous coal trade. New York, 1908. 87p.
455. FOCUS ON ALASKA'S COAL '75
Fairbanks: University of Alaska, 1975. 281p.
Proceedings of a conference held at the University of Alaska, October 15-17, 1975. Edited by P. D. Rao and Ernest N. Wolff.
456. FOHL, W. E.
Division of labor in bituminous coal mining. *Engineering Magazine* 40: 175-80 1910.
"The energies of most coal miners are being inefficiently and dangerously directed." Author blames poor management for many of the difficulties of the coal industry.
457. FOREIGN MARKETS FOR AMERICAN COAL
Washington: GPO, 1900. 312p. (Special Consular Reports XXI, pt. 1).
458. FORSYTHE, J. R.
Coal's comeback; an evaluation. *Analysts Journal* Nov. 1958 33-36.
459. FOSTER ASSOCIATES, INC.
Prospective regional markets for coal conversion plant products projected to 1980 and 1985. Washington, 1974. 3 vols.
460. FOSTER, JOHN F. AND RICHARD E. LUND
Economics of fuel gas from coal. New York: McGraw-Hill, 1950. 289p.
461. FRAZIER, EDWARD K.
Annual earnings in the bituminous coal industry. *MLR* 45: 29-37 1937.
462. FRISCIA, AUGUST B.
Industrial retardation and economic growth: a case study of secular and structural change in the bituminous coal industry of the United States. Dissertation. New York University. 1970. 168p.
463. FRITZ, W. C. AND T. A. VEENSTRA
Regional shifts in the bituminous coal industry. Pittsburgh: University of Pittsburgh, Bureau of Business Research, 1935. 197p. (Its Monograph No. 4).
"With special reference to Pennsylvania."

464. FULLER, JUSTIN
History of the Tennessee Coal, Iron and Railroad Company. Dissertation. University of North Carolina. 1966. 414p.
465. GANDY, HARRY L.
Some trends in the bituminous coal industry. *Ann. Amer. Acad.* 147: 84-88 1930.
466. GANYARD, DAVID W.
The degree of relationship between bituminous coal mining and chemical manufacturing in the Kanawha County region. Dissertation, 1967, Ohio State University, 216p.
467. GENERAL POLICIES COMMITTEE OF ANTHRACITE OPERATORS
Competition in the anthracite industry. n.p., 1923. 72p.
"A statement showing unrestricted competition between more than 100 Anthracite Producers, with the largest company producing 15% of the total."
468. GINGER, RAY
Managerial employees in anthracite, 1902: a study in occupational mobility. *Journal of Economic History* 14: 146-57 1954.
469. GITLOW, A. L.
Some economic effects of industrial concentration. *Southern Economic Journal* 17: 191-95 1950.
Examination of the effects of concentration in the coal industry.
470. GOLDENWEISER, E. A.
Incomes of bituminous coal producers. *JASA* 17: 203-9 1920.
471. GORDON, RICHARD L.
Alternatives to oil and natural gas. Academy of Political Science. *Proceedings* 31: 74-86 Dec. 1973.
"The special case of coal-based energy alternatives is examined as an illustration of the difficulties in securing competitive alternatives to oil and gas."
472. GORDON, RICHARD L.
U. S. coal and the electric power industry. Baltimore: Johns Hopkins. 1975. 213p.
"The widespread belief in the likelihood of substantial growth in coal output rests on a weak basis."

473. GRADY, WILLIAM H.
Cost factors in coal production. *AIME. Transactions* 51: 138-76 1915.
474. GRAYSON, CHARLES
Fresh appraisal of coal industry today. *Magazine of Wall Street* 101: 343-45 1957.
- 474a. GREENBAUM, MARGARET E.
Kentucky coal reserves: effects on coal industry structure and output. Lexington: Institute for Mining and Minerals Research. 1975. 23p.
475. HACHMAN, FRANK C.
Utah coal—market potential and economic impact. *Utah Economic and Business Review* Apr 1969 1-7.
476. HALE, G. E.
The case of coal: should all horizontal mergers be held illegal. *Journal of Law and Economics* 13: 421-37 1970.
477. HALL, ROBERT E.
Domestic coal vs. foreign residual oil. *Natural Resources Lawyer* 3: 266-70 1970.

Consideration of the national security and balance of payments dictate that more use be made of coal.
478. HAMILTON, WALTER H.
Coal and the economy; a demurrer. *Yale Law Journal* 50: 595-612 1941.

"Joinder in demurrer" by Eugene V. Rostow. *Yale Law Journal* 50: 613-20.
479. HAMILTON, WALTER H.
The problem of bituminous coal. *American Labor Legislation Review* 16: 217-29 1926.
480. HAMILTON, WALTER H. AND HELEN R. WRIGHT
A way of order for bituminous coal. New York: Macmillan, 1928. 365p.
481. HAMILTON, WALTER H. AND HELEN R. WRIGHT
The case of bituminous coal. New York: Macmillan, 1925. 310p.

"This inquiry is concerned with the question of how adequately the prevailing form of organization enables the industry to do the things which the community may reasonably expect from it."

482. HAMMOND, M. B.
The Coal Commission reports and the coal situation. *Quarterly Journal of Economics* 38: 541-81 1924.
483. HAND, ALFRED
Titles to coal land in Pennsylvania and incidental monopolies connected therewith. *Yale Law Journal* 16: 167-75 1907.
484. HARD COAL
Fortune Feb 1931 72-83.
A general survey of the development and current status of the anthracite industry.
485. HARDESTY, C. HOWARD
Coal and the energy crisis. *West Virginia Law Review* 76: 257-66 1973.
The nation has failed to implement policies which would make possible a rapid increase in coal production.
486. HARLINE, OSMOND L.
Economics of the Indiana coal industry. Dissertation. Indiana University. 1958.
487. HARRIS, GEORGE W.
The Consolidation Coal Company. *Coal Age* 14: 1148-53 1918.
General account of its operations.
488. HARSHBARGER, RICHARD B.
TVA coal buying policies: effects on prices and method of mining in supplying states. Dissertation. Indiana University, 1964. 177p.
- 488a. HARVEY, CURTIS E.
Eastern Kentucky coal industry: an economic analysis. Lexington: University of Kentucky. Institute for Mining and Minerals Research, 1975. 80p.
489. HARVEY, CURTIS E. AND PHILIP J. KARST
Economic impact of a severance tax on Kentucky coal. Frankfurst: Kentucky legislative research commission, 1972. 125p. (Kentucky Legislative Research Commission. Research report 67).

490. HAYNES, WILLIAM H.
Present and prospective markets for West Kentucky Coal. Lexington, 1955. 124p. (University of Kentucky. Bureau of Business Research. Bulletin 30).
491. HEDSTROM, ERIC L.
The coal trade of Buffalo. *Black Diamond* Sept. 15. 1888 105-8.
492. HENDERSON, JAMES M.
Efficiency and pricing in the coal industry. *Review of Economics & Statistics* 38: 50-60 1956.
493. HENDERSON, JAMES M.
The efficiency of the coal industry; an application of linear planning. Cambridge: Harvard University Press, 1958. 146p. (Harvard Economic Studies 103).
494. HENDERSON, JAMES M.
A short-run model for the coal industry. *Review of Economics & Statistics* 37: 336-46 1955.
495. HENRY, JOHN P. AND RICHARD A. SCHMIDT
Coal: still old reliable? *Ann. Amer. Acad.* 410: 35-51 1973.
Analysis of the ability of coal to contribute significantly to the solution of the energy problem.
496. HESSE, ALFRED W.
The principals of coal property evaluation. New York: J. Wiley, 1930. 183p.
497. HIGH PRICES NOT SO HIGH FOR THE MINER
Literary Digest Dec. 20, 1919 69-74.
Study in southern West Virginia shows that prices have not advanced so much as to require a large increase in wages.
498. HOFFMAN, JOHN N.
Major economic changes in the mining and distribution of Pennsylvania bituminous coal. Dissertation. Pennsylvania State University. 1961. 285p.
499. HOLM, EDWIN E.
Production and marketing of coal in Virginia and the nation. Richmond: Virginia Department of Conservation and Development, 1955. 102p. proc.

500. HOOPER, WALLACE D.
Operating costs of retailing coal in Columbus. Columbus. Ohio State University, 1932. 43p. (OSU Bureau of Business Research. Monograph 20).
501. HOTCHKISS, WILLARD E. AND OTHERS
Mechanization, employment and output per man in bituminous coal mining. Philadelphia: WPA, 1939. 436p. (National research project on reemployment opportunities and recent changes in industrial techniques . . . Mineral technology and output per man studies . . . Report E-9).
502. HOWE, R. E.
The coal marketing agency. *Journal of Marketing* 10: 35-41 1945/46.

Account of Appalachian Coals, Inc., a marketing agency in the southern high volatile fields.
503. HUDSON INSTITUTE
Policy analysis for coal development at a wartime urgency level to meet the goals of "project independence". Washington: Office of Coal Research, 1974. 72p.
504. HURST, THOMAS E.
Tennessee coal mining and marketing trends. Thesis. East Tennessee State College. 1951.
505. HUTCHINSON, SPENCER AND A. J. BREITENSTEIN
Competitive position of coal and petroleum in the United States. AIME. *Transactions* 108: 461-75 1934.
506. ILLINOIS COAL OPERATORS ASSOCIATION
Illinois mining machine differential. n. p., 1923. 24p.

"An illustration of arbitrary maintenance . . . of conditions of competitive inequality, to the great prejudice of one of the largest coal producing states." Statement submitted to the U. S. Coal Commission.
507. IOWA. STATE PLANNING BOARD
Some aspects of the Iowa coal industry. Des Moines, 1939. 64p. proc.
508. IRWIN, N. O.
How modern employment practices assure contented and efficient personnel. *Coal Age* 19: 1077-80 1921.

Practices at the Benham, Kentucky mines of the Wisconsin Steel.

509. ISLAND CREEK; COAL AT A PROFIT
Fortune Mr 1938 86-94.
Account of the development and operation of the Island Creek Coal Co.
510. JACKSON, DANIEL
Rowland's three-stage mining. *Coal Age* Nov. 1970 76-85.
Account of the development and current operations of the Rowland Coal Co., a division of Consol. Located near Beckley, W. Va. The Company will operate the largest surface mine in W. Va.
511. JACKSON, DANIEL
Sherwood Diversified Services joins nation's coal producers. *Coal Age* Aug 1971 58-65.
Development and current operations of Sherwood's surface mining operations in eastern Kentucky and southern West Virginia.
512. JACKSON, DANIEL
Zapata Norness emerging as a major coal producer. *Coal Age* Sept 1971 64-71.
Development and operations of the Boone Co. Coal Corp., now owned by Zapata Norness, Inc.
513. JAMES, CHARLES M.
Measuring productivity in coal mining. Philadelphia: University of Pennsylvania. Warton School of Finance and Commerce, 1952. 96p. (Research Report 13).
"A case study of multiple input measurement at the county level in Pennsylvania 1919-1948."
514. JOHNSON, JAMES P.
A "New Deal" for soft coal; the attempted revitalization of the bituminous coal industry under the New Deal. Dissertation. Columbia University, 1968. 303p.
515. JONES, F. ADDISON
Depletion, depreciation and coal mining. *Taxes* 38: 31-42 1960.
516. KATELL, SIDNEY AND OTHERS
Basic estimated capital investment and operating costs for underground bituminous coal mines. Washington: GPO, 1975. 41p. (U.S. Bureau of Mines. Information Circular 8682).
Covers mines with annual production of 1.06 to 4.99 million tons from a 72-inch coalbed. Continued by I. C. 8682A. A revision of I. C. 8632.

517. KATELL, SIDNEY AND OTHERS
Basic estimated capital investment and operating costs for underground bituminous coal mines. Washington: GPO, 1975, 32p. (U. S. Bureau of Mines. Information Circular 8689).

Covers mines with annual production of 1.03 to 3.09 million tons from a 48-inch coalbed. Revision of IC 8641.
518. KELLER, JOSEPH H.
The accounting and tax aspects of depletion in the coal mining industry. Thesis. University of Pennsylvania. 1949.
519. KELLEY, JAY H.
Economics of mining. Dissertation. Pennsylvania State University. 1952. 190p.
520. KENNEDY, THOMAS
Wages, hours and working conditions in the anthracite industry. *Ann. Amer. Acad.* 111: 43-52 1924.
521. KENNEL, H. RICHARD AND OTHERS
Panel on problems of employment and retraining. In: United States. Congress. Senate. Subcommittee on problems of the aged and aging. Part 5. 1960 p1095-1113.

Discussion of the problems involved in retraining older workers—largely unemployed coal miners—for other occupations.
522. KIESSLING, O. E.
Coal mining in the south. *Ann. Amer. Acad.* 153: 84-93 1931.
523. KIESSLING, O. E. AND F. G. TYRON
The economics of distribution. *Coal Age* 33: 19-23 1928.
524. KILLEEN, JOHN F.
The National Coal Policy Conference: an approach to the functional economy. Dissertation. Georgetown University. 1962.
525. KING, CLYDE L., ED.
The price of coal, anthracite and bituminous. *Ann. Amer. Acad.* 111: 1-362 1924.
526. KISH, GABE
A program for coal. *Political Affairs* 26: 1029-39 1947.

527. KOLDE, ENDEL JAKOB
From mine to market; a study of production, marketing, and consumption of coal in the Pacific Northwest. Seattle: University of Washington. Bureau of Business Research, 1956. 64p.
528. LAMB, GEORGE A.
The bituminous coal rate structure. Thesis. Yale University. 1932.
529. LEBUS, WILLIAM F.
Economic data on Eastern Kentucky coal field. Frankfort: Agricultural & Industrial Development Board, 1956. 32p.
530. LEHIGH COAL AND NAVIGATION COMPANY
Mine management policies, published for the information of executives of the mining department. Lansford, Pa., 1925. 103p.
531. LEISENRING, E. B.
Western coal—the sleeping giant. *Rocky Mountain Mineral Law Institute* 19: 1-18 1974.
532. LEO KRAMER, INC.
Coal manpower projections 1970-80. Washington, 1972. 63p.
533. LEONARD, JOSEPH W. AND CHARLES T. HOLLAND
Market-oriented research: the West Virginia story. *Coal Age* J1 1966 92-6.

The West Virginia University Coal Research Bureau attempts to “discover and develop new uses and new markets for West Virginia coal.”
534. LESHER, C. E.
An introductory survey of the bituminous coal industry. American Economic Association. *Papers & Proceedings* 11: 49-56 1921.
535. LESHER, C. E.
Prices of coal and coke. Washington: GPO, 1919. 115p.
536. LESSING, LAWRENCE
Capturing clean gas and oil from coal. *Fortune* Nov 1973 128-31.

Suggests the establishment of a new agency to administer an accelerated development program.

537. LEWIS, W. DAVID
The early history of the Lackawana Iron and Coal Company: a study in technological adaptation. *Pennsylvania Magazine of History & Biography* 96: 424-68 1972.
538. LIBBY, JOHN H.
Bituminous wages from the point of view of an operator. *Ann. Amer. Acad.* 111: 32-38 1924.
539. LIGNITE HAS ITS DRAWBACKS BUT IT'S CHEAP
Business Week Mr 16, 1974 102-6.
Useful review of lignite's assents and limitations.
540. LILIENTHAL, DAVID E.
Dissolution of coal industry likely if government assistance is rejected. *Annalist* 44: 684-86 1934.
541. LITTLE (ARTHUR D) INC.
Current appraisal of underground coal gasification, n.p. 1971. 1 vol.
542. LITTLE (ARTHUR D) INC.
Future market for utility coal in New England. Cambridge, 1966. 182p.
543. LOVE, ROBERT A.
Anthracite distribution; a report on possible adjustments in the existing marketing arrangements. n.p., 1930. 173p.
"Submitted to the Philadelphia and Reading Coal and Iron Company."
544. LOWRIE, RAYMOND L.
Recovery percentage of bituminous coal deposits in the United States. Part 1: Underground mines. Washington: GPO, 1968, 19p. (U. S. Bureau of Mines. Report of Investigations 7109).
545. LUBIN, ISADOR
Miners' wages and the cost of coal. New York: McGraw-Hill, 1924. 316p.
"An inquiry into the wages system in the bituminous coal industry and its effects on coal costs and coal consumption."
546. LUCAS, JOHN W.
Regional sales agencies in the distribution of bituminous coal. Thesis. Ohio State University. 1935.

547. LUCAS, JOSEPH R.
The competitive position of bituminous coal in the utility markets of the northeast. Dissertation. Columbia University, 1965. 351p.
548. MC AULIFF, EUGENE
Stabilization of the bituminous coal industry. *Coal Age* 17: 486-93 1920.
549. MC CLOUD, LELAND W.
Comparative costs of competitive fuels. Morgantown: West Virginia University, 1951. 89p. (West Virginia University Business & Economic Studies 1: 4).
550. MC CRAW-HILL DEPARTMENT OF ECONOMICS
The outlook for bituminous coal, 1964-1975. *Coal Age* May 1964 73-80.
551. MC KIE, JAMES W.
The southern industries fuel economy. *Southern Economic Journal* 29: 269-78 1963.
"The shift of industry from other energy sources toward electric power can only react favorably on coal demand."
552. MADDALA, G. S.
Productivity and technological change in the bituminous coal industry, 1919-54. *Journal of Political Economy* 73: 352-65 1965.
"In the bituminous coal industry the increased labor productivity is almost entirely attributable to the increase in the horsepower of equipment per worker".
553. MARKON, GEORGE
United States coals in world markets. Washington: GPO, 1968. 87p. (U. S. Bureau of Mines. Information Circular 8380).
554. MARKS, AVRUM
The future market for United States exports of coking quality coal to O. E. E. C. Europe. Thesis. University of Pennsylvania. 1958.
555. MARTENS, CHARLES D.
How C & K Coal Co. grew. *Coal Age* Sept. 1974 83-87.
Account of the history and present operation of the C & K Coal Co., a major producer of surface mined coal in western Pennsylvania.

556. MEAD, RICHARD R.
An analysis of the decline of the anthracite industry since 1921. Ph.D. University of Pennsylvania. 1933.
557. MEADE, EDWARD S.
Investor's interest in the demands of the anthracite miners. *Ann. Amer. Acad.* 21: 36-45 1903.
558. MELTON, JOHN R.
Coal reserves should be the subject of equitable ad valorem taxation. *West Virginia Law Review* 76: 325-35 1974.
559. MERRILL, WILLIAM M.
Economics of the southern smokeless coals. Ph.D. University of Illinois. 1953.

Deals with coal from seven counties of Virginia and West Virginia, 1873-1950.
560. MIERNYK, WILLIAM H.
Coal and the Appalachian economy. *West Virginia Law Review* 76: 281-284 1974.

"If Appalachia is to realize long-range benefits from the depletion of one of its basic resources, there will have to be a specific tax on coal." The author favors "an ad valorem severance tax which would tie the state's yield to the rising delivered price of coal."
561. MIERNYK, WILLIAM H.
Coal and the future of the Appalachian economy. *Appalachia* Oct/Nov 1975 29-35.

The worldwide demand for energy all but insures the future prosperity of the Appalachian coal industry.
562. MIERNYK, WILLIAM H.
Regional economic consequences of high energy prices in the United States. *Journal of Energy and Development* 1: 213-39 1976.

The rising price of coal in U. S. will cause "a regional shift of real income from energy consumers to energy producers."
563. MIHALEK, JOHN A.
An analysis of the changing bituminous coal markets, 1937-1952. Thesis. University of Pittsburgh. 1954.
564. MILLER, E. WILLARD
The southern anthracite region; a problem area. *Economic Geography* 31: 331-50 1955.

565. MILLER, E. WILLARD
Trends in the coal mining industry of the Susquehanna Basin. Pennsylvania Academy of Science. *Proceedings* 38: 227-35 1965.
- 565a. MILLER, SAUNDERS
The economics of nuclear and coal power. New York: Praeger, 1976. 151p.
566. MISCHAIKOW, MICHAEL K.
Postwar changes in the export markets for American coal, a study in the industry response to variations in foreign demand. Morgantown, West Virginia University, Bureau of Business Research, 1965. 60p. (West Virginia University Business and Economic Studies 9, No. 3).
567. MONELL, LOUIS F.
Factors affecting international coal trade. Thesis. West Virginia University. 1962. 174p.
568. MOORE, JAMES R.
An inquiry concerning the status of the coal economy in Southern Illinois and the potential benefits which may be derived from canalization of the Big Muddy River and Beaucoup Creek. Thesis. Southern Illinois University. 1962.
569. MORGAN, JOHN D.
The domestic mining industry of the United States in World War II. Washington: National Resources Conference Board, 1949. 500p.
570. MORRIS, ISRAEL W.
The duty on coal. Philadelphia: Baird, 1872. 31p.
571. MORROW, J. D. A.
The general coal situation. American Mining Congress. *Proceedings* 23: 436-42 1920.
572. MORROW, J. D. A.
Distribution of coal under U. S. Fuel Administration. AIME. *Transactions* 61: 310-14 1918.
573. MOSES, H. M.
Out of the wilderness. *Business Week* S 23, 1950 104-10.
Interview with Moses, head of the newly-formed Bituminous Coal Operators Association.

574. MOYER, REED
Competition and the performance of the midwestern coal industry. *Journal of Industrial Economics* 15: 242-46 1966/67.
A reply to an article by William Comanor in the same journal (see No. 405).
575. MOYER, REED
Competition in the midwestern coal industry. Cambridge: Harvard University Press, 1964. 226p. (Harvard Economic Studies CXXII).
576. MUELHOF, WILLIAM E.
An evaluation of the pension plans in the anthracite coal industry. Thesis. Pennsylvania State University, 1959. 87p.
577. MULHOLLAND, JOSEPH P. AND DOUGLAS W. WEBBINK
Concentration levels and trends in the energy sector of the U. S. economy. Washington: GPO, 1974. 298p.
Includes a section on the coal industry.
578. MURPHY, RAYMOND E.
Wartime changes in the patterns of United States coal production. Association of American Geographers. *Annals* 37: 185-96 1947.
579. MURRAY, T. J.
Investment nobody knows about. *Duns Review* Ap 1965 40-3+.
Favorable income-tax provisions on capital gains and cost depletion allow investors in coal land to lease their property to operators at great profit.
580. MUTSCHLER, PAUL H.
Impact of changing technology on the demand for metallurgical coal and coke produced in the United States to 1985. Washington: GPO, 1975. 26p. (U. S. Bureau of Mines. Information Circular 8677).
581. NATHAN (ROBERT R.) ASSOCIATES
The foreign market potential for United States coal. Washington, 1963. 4 vols. proc.
582. NATHAN (ROBERT R.) ASSOCIATES
The potential market for far western coal and lignite. Washington, 1965. 2 vols.

583. NATHAN (ROBERT R.) ASSOCIATES
The potential market for midwestern and Alaskan coal and lignite. Washington, 1966. 1 vol. (various paging).
584. NATIONAL COAL ASSOCIATION
The facts about the billion dollar water power development of the federal government: the menace to the coal industry of the TVA and similar projects. Washington, 1934. 12p.
585. NATIONAL COAL ASSOCIATION
The regional sales agency plan. Washington, 1931. 53p.
586. NATIONAL FUELS AND ENERGY STUDY GROUP
Report on an assessment of available information on energy in the United States. Washington: GPO, 1962. 501p. 87th Cong., 2d Sess. Senate Doc. 159).
587. NATIONAL INDUSTRIAL CONFERENCE BOARD
The competitive position of coal in the United States. New York, 1931. 288p.
588. NATIONAL INDUSTRIAL CONFERENCE BOARD
The cost of living among wage earners, anthracite region of Pennsylvania, February 1922. 41p. (Its Special Report 21).
589. NATIONAL PETROLEUM COUNCIL
U. S. energy outlook: coal availability. Washington, 1973. 287p.

A detailed study of the supply and likely demand for coal. New technologies for solving environmental problems and for transforming solid coal into synthetic gaseous and liquid fuels are promising. "However, even under the most favorable circumstances, it is unlikely that coal alone could completely eliminate the Nation's dependence on imported fuels prior to 1985".
590. NEARING, SCOTT
Anthracite; an instance of natural resource monopoly. Philadelphia: J. C. Winston, 1915. 251p.
591. NEARING, SCOTT
The coal question; some reasons why it is pressing and some suggestions for solving it. New York: Rand School of Social Science, 1918. 47p.

592. NEBRASKA. UNIVERSITY. COMMITTEE ON BUSINESS RESEARCH
Trade practices and costs of the retail coal business in Lincoln, Nebraska, in 1922. Lincoln, 1923. 34p. (Nebraska Studies in Business. Bulletin 7).
593. NEPHEW, EDMUND A.
The challenge and promise of coal. *Technology Review* Dec 1973 21-29.

Underground mining must be made more efficient and safer, since the vast bulk of the nation's coal is inaccessible by surface mining.
594. NERLOVE, MARC
On the efficiency of the coal industry. *Journal of Business* 32: 271-78 1959.
595. NEWHOUSE, JOSEPH
Labor cost in the bituminous coal industry. Thesis. West Virginia University. 1951. 112p.
596. NORRIS, R. V.
Anthracite mining costs. AIME. *Transactions* 61: 323-45 1918.
597. NORRIS, R. V.
The taxation of coal land. American Mining Congress. *Proceedings* 16: 331-38 1913.
598. OHIO CHAMBER OF COMMERCE
Ohio's coal problem. Columbus, 1926. 19p.

Labor costs are too high.
599. OHIO. COAL MINING COMMISSION
Report to the governor of Ohio. Columbus: F. J. Heer, 1913. 70p.

"To investigate and report an equitable method of weighing coal at the mines when the employees are to be paid for their labor on the basis of weight measure or quantity. . ."
600. ORMISTON, THOMAS AND ROGER BROWN
Changing fortunes of bituminous coal. Cleveland: Federal Reserve Bank of Cleveland, 1957. 31p.
601. OSBORN, ELBURT F.
Coal and the present energy situation. *Science* 183: 477-81 1974.

Author is former director of Bureau of Mines. Optimistic overall review of the ability of coal to contribute greatly to the energy needs of the nation.

602. PABST, WILLIAM R.
Monopolistic expectations and shifting control in the anthracite industry. *Review of Economic Statistics* 22: 45-52 1940.
603. PARKER, EDWARD W.
Coal supplies and coal production of the United States. *JASA* 13: 139-56 1912.
604. PARKER, EDWARD W.
Conserving our coal deposits. American Mining Congress. *Proceedings* 13: 228-34 1910.

Low profit margins in the industry cause wasteful and unsafe methods of mining.
605. PARKER, EDWARD W.
Conservation of Pennsylvania coal supplies. Geographical Society of Philadelphia. *Bulletin* 10: 1-7 1912.

The coal industry in Pennsylvania is extremely wasteful and inefficient by European standards.
606. PARKER, EDWARD W.
Cooperation, conservation and competition in coal. American Mining Congress. *Proceedings* 19: 241-49 1916.
607. PARKER, EDWARD W.
The cost of coal mining. American Mining Congress. *Proceedings* 16: 384-90 1913.
608. PARKER, GLEN L.
The coal industry; a study in social control. Washington: American Council on Public Affairs, 1940. 198p.
609. PARRY, V. F.
Trends in the use of energy in the Western states, with particular reference to coal. Washington: GPO, 1943. 43p. (U. S. Bureau of Mines. Report of Investigations 3680).
610. PEABODY COAL COMPANY
Coal Age Oct 1971 97-180.

Much of this issue is devoted to the various aspects of the operations of Peabody.
611. PEARSON, RONALD G.
Coal's new values and our national priorities. *West Virginia Law Review* 76: 277-80 1973/74.

612. PECK, MAYNARD A.
Some economic aspects of the coal industry in Boulder County, Colorado. Ph. D. University of Colorado. 1948.
613. PENNSYLVANIA. ANTHRACITE COAL COMMISSION
Report of the Commission to investigate the increase in the cost of anthracite coal in the Commonwealth of Pennsylvania, to the Governor and Legislature. [Harrisburg, 1915]. 120p.
614. PENNSYLVANIA. ANTHRACITE COAL INDUSTRY COMMISSION
Bootlegging or illegal mining of anthracite coal in Pennsylvania: a census and survey of the facts: Philadelphia, 1937. 87p.
615. PENNSYLVANIA. ANTHRACITE COAL INDUSTRY COMMISSION
Report of the Anthracite Coal Industry Commission. Harrisburg, 1937. 82p.
616. PENNSYLVANIA. ANTHRACITE COAL INDUSTRY COMMISSION
Report. Sayre, Pennsylvania: Murrelle Printing Co., 1938. 652p.
617. PENNSYLVANIA. COMMISSIONERS TO INVESTIGATE THE BITUMINOUS COAL MINES
Report. Harrisburg: B. F. Meyers, 1875. 50p.
618. PENNSYLVANIA. GENERAL ASSEMBLY. JOINT STATE GOVERNMENT COMMISSION
Coal in Pennsylvania: recent developments and prospects. Harrisburg, 1963. 17p.
619. PENNSYLVANIA. GREATER PENNSYLVANIA COUNCIL
The decline of the bituminous coal industry in Pennsylvania. Harrisburg, 1932. 20p. (Its Soft Coal Bulletin No. 1).
620. PENNSYLVANIA. GREATER PENNSYLVANIA COUNCIL
Freight rates on bituminous coal. Harrisburg, 1933. 28p. (Its Soft Coal Bulletin No. 2).
621. PERRY, HARRY
Gasification of coal. *Scientific American* Mr 1974 19-25.
General review of methods and problems.

622. PHILLIPS, JAMES G.
 Troubled coal industry. *National Journal Reports* 6: 951-61 1974.
 Government regulations, lack of capital and other factors make it difficult to increase coal production very greatly in the near future.
623. PICKETT, TOM
 Coal mining becomes a pushbutton industry. *Manufacturers Record* D 1957 35-38.
 Optimistic view of the future of the southern coal industry.
624. PINCHOT, GIFFORD
 Wages, margins and anthracite prices. *Ann. Amer. Acad.* 111: 61-81 1924.
625. PINKOWSKI, EDWARD
 Joseph Battin. *Pennsylvania Magazine of History & Biography* 73: 337-48 1949.
 Battin developed the coal breaker, the introduction of which in 1844 did much to improve the economic condition of the coal industry.
626. PITTSBURGH. CHAMBER OF COMMERCE
 Plight of the coal industry in Western Pennsylvania and what the united business interests are doing to restore it to prosperity. Pittsburgh, 1925. 22p.
627. POSEY, THOMAS E.
 Unemployment compensation and the coal industry in West Virginia. *Southern Economic Journal* 7: 347-61 1941.
628. POTTER, CHARLES J.
 Forecasting United States coal requirements. *Mining Engineering* Ap 1962 55-59.
629. PRIVRATSKY, BRUCE
 Coal taxes in southwest Virginia. Appalachia, Va., 1973. 55p.
630. PULTZ, J. L.
 Consolidation of five large coal mines. *Engineering & Mining Journal* 82: 640-42 1906.
 Account of the formation of the Pittsburgh and Westmoreland Coal Co.

631. RANDALL, D. T.
The purchase of coal under government and commercial specifications on the basis of its heating value. Washington: GPO, 1908. 27p. (USGS. Bulletin 339).
632. RAU, OTTO M.
Preliminary report on stabilization of Illinois coal industry. Philadelphia, 1925. 39p.
Prepared for District 12, UMWA.
633. RAUSHENBUSH, HILMAR
The anthracite question. New York: H. W. Wilson, 1924. 165p.
Study of the organization and economic situation of the industry.
634. REED, WILLIAM B.
Bituminous coal mine accounting. New York: McGraw-Hill, 1922. 221p.
635. REES, ALBERT
The economic impact of collective bargaining in the steel and coal industries during the post-war period. Industrial Research Assoc. *Proceedings* 3: 203-12 1950.
636. REEVES, H. C. AND H. A. SPALDING
Assessment of coal producing properties in Kentucky. *National Tax Journal* 3: 173-78 1950.
637. REITELL, CHARLES
The shift in soft coal shipments. n.p., 1927. 33p. (Pennsylvania Industrial Survey. Bulletin 1).
638. RICE, GEORGE S.
Standardization of coals for the trade. American Mining Congress. *Proceedings* 22: 699-710 1919.
639. RICE, JAMES P.
Taxation and assessment of coal, gas, and oil with special reference to western Pennsylvania, eastern Ohio, and northern West Virginia. Ph.D. University of Pittsburgh. 1957.
640. RIDGEWAY, JAMES
Japanese colonialism in Appalachia *Ramparts*. 11: 16-18+N, 1972.
". . . the Japanese are quietly boring from within, establishing the beginning of a virtual colony in Appalachia."

641. RIDGEWAY, JAMES
Last play; the struggle to monopolize the world's energy resources. New York: E. P. Dutton, 1973. 446p.
- 641a. RIEBER, MICHAEL
Low sulfur coal: a revision of reserve and supply estimates. *Journal of Environmental Economics & Management* 2: 40-59 1975.
"When calculated on a Btu basis, maximizing low sulfur coal production results in a supply shortage by 1985."
642. RISSER, HUBERT E.
Coal in the future energy market. Urbana, 1960. 15p. (Illinois. State Geological Survey. Circular 310).
643. RISSER, HUBERT E.
Economic trend favoring the use of Illinois coal for metallurgical coke. Urbana, 1962. 15p. (Illinois. State Geological Survey, Circular 338).
644. RISSER, HUBERT E.
The economics of the coal industry. Laurence, Kansas: University of Kansas, Bureau of Business Research, 1958. 177p.
645. RISSER, HUBERT E.
Effect of coal inventories on stability of the coal industry. Urbana, 1959. 11p. (Illinois. State Geological Survey. Circular 268).
646. ROBERTS, PETER
The anthracite coal industry. New York: Macmillan, 1901. 261p.
"A study of the economic conditions and relations of the cooperative forces in the development of the anthracite coal industry in Pennsylvania."
647. ROEPKE, HOWARD H.
Changing patterns of coal production in the Eastern Interior field. *Economic Geography* 31: 234-47 1955.
648. RYAN, JOHN T.
The future of the bituminous coal industry. *Harvard Business Review* 14: 325-336 1936.
649. SAALBACH, WILLIAM F.
United States bituminous coal markets; trends since 1920 and prospects to 1975. Pittsburgh: University of Pittsburgh Press, 1960. 44p.

650. SALARIES OF MINE OFFICIALS
Coal Age 12: 594-95, 629 1917.
Gives average salaries by state of mine officials—superintendents, foremen, etc.
651. SALVATERRA, A. C.
The application of computers in the mining industry. Thesis. West Virginia University. 1962.
652. SALVATI, RAYMOND E.
Island Creek, a career company devoted to coal. New York: Newcomen Society, 1957. 24p.
653. SAUNDERS (W. B.) & CO.
An economic analysis of the U. S. export coal distribution system. Washington, 1966. 182p.
654. SAWARD, FREDERICK
The coal trade; a compendium of valuable information relative to coal production, prices, transportation, etc. New York, 1874. 73p.
655. SAWARD, FREDERICK
The growth of American coal exports. *Engineering Magazine* 22: 321-32 1901/02.
656. SAWARD, FREDERICK
Large coal consumers of New England. New York, [1910]. 75p.
List of consumers who use 1,200 tons or more a year.
657. SAWARD, FREDERICK
Problems of the expansion of the American coal trade. *Engineering Magazine* 30: 374-79 1905/06.
658. SAWARD, FREDERICK
The world's need of coal and the United States' supplies. *Engineering Magazine* 20: 1-8 1901.
659. SAWHILL, JOHN C.
The crucial role of coal. *Vital Speeches* 40: 617-20 1974.
660. SAYE, WILLIAM H.
The development and present status of the bootleg anthracite industry and its influence on legitimate producers. Thesis. Temple University, 1941.

661. SCHENCK, GEORGE H. K. AND JOHN J. SCHANZ
The economic importance of the coal industry to Pennsylvania. University Park: Pennsylvania State University, Dept. of Mineral Economics, 1967. 289p. (Special Research Report SR-64).

An extensive analysis of the net contributions of coal to the economy.
662. SEARIGHT, WALTER V.
Coal production, distribution and consumption in Missouri. Rolla, 1949. 52p. (Missouri. Division of Geological Survey & Water Resources. Information Circular 3).
663. SHURICK, ADAM
Coal mining costs. New York: McGraw-Hill, 1922. 515p.
664. SISLER, JAMES D.
The economic aspects of coal losses in Ohio, Pennsylvania, and West Virginia. Morgantown, West Virginia, 1931. 13p. (West Virginia Geological Survey. Mimeograph Series 1, Bulletin 4).
665. SKAGGS, CHARLES P.
Income tax problems of the coal industry. Thesis. West Virginia University. 1963. 87p.
666. SMITH, BRUCE W.
Analysis of the location of coal-fired power plants in the eastern United States. *Economic Geography* 49: 243-50 1973.
667. SMITH, FRANK G.
The attempted stabilization of the bituminous coal industry. *Harvard Business Review* 17: 177-88 1939.
668. SMITH, GEORGE O. AND C. E. LESHER
The cost of coal. American Mining Congress. *Proceedings* 19: 452-64 1916.
669. SMITH, GEORGE O.
The 1920 soft coal shortage; underlying reasons for it and how it was overcome. Washington: National Coal Assoc., 1921. 15p.
670. SMITHERS, F. S. & COMPANY
Bituminous coal; a basic raw material with a new value. New York, 1956. 101p.

671. SOMERS, GERALD G.
Effects of North-South wage uniformity on southern coal production. *Southern Economic Journal* 20: 121-29 1953.
672. SOMERS, GERALD G.
Labor supply for manufacturing in a coal area. *Monthly Labor Review* 77: 1327-30 1954.
673. SOUTHERN WEST VIRGINIA ECONOMIC DEVELOPMENT CORPORATION
Coal, the curse and the key. Overall economic development program for the southern West Virginia economic development district. n.p., 1968. 1 vol. (various pagings).
674. SPAID, ORA
Forecast: doubled coal production in Appalachia. *Appalachia Je/Jl* 1975 1-10.

Very substantial growth in Appalachian coal production will take place in the next quarter century "under any supply, demand and price conditions in the energy field that seem in any way feasible".
675. SQUIRES, ARTHUR M.
Clean power from coal. *Science* 169: 821-8 1970.

Clean power is possible provided there is a large investment in research.
676. SQUIRES, ARTHUR M.
Clean fuels from coal gasification. *Science* 184: 340-6 1974.
677. STARR, GEORGE W.
Costs of retailing coal. Bloomington: Indiana University, 1941. 35p. (Indiana Business Reports. Study 23).
678. "STATEMENT OF FACTS" FROM THE OPERATORS OF THE MIDDLE WEST
Coal Age 7: 498-501 1915.

"The near future contains nothing but diaster unless some relief is extended."
679. STEIN, JANE
Coal is cheap, hated, abundant, filthy, needed. *Smithsonian* Feb 1973 19-27.

A general account of the problems and prospects as coal becomes increasingly important as a source of energy.
680. STEPHENS, RODERICK
Margins of retail coal dealers. *Ann. Amer. Acad.* 111: 167-70 1924.

- 680a. STEVENS, THOMAS H.
Economic implications of coal development policy alternatives. *New Mexico Business Ap* 1975 3-12.
681. STEWART, E.
Analysis of coal mine labor productivity. *MLR* 31: 1333-38 1930.
682. STEWART, E.
Extent of over-development in the bituminous coal industry. *MLR* 32: 304-11 1931.
683. STEWART, E.
Tonnage output per pick miner per day in bituminous coal fields. *MLR* 11: 249-59 1921.
684. STEWART, PAUL D.
New small business in a redevelopment coal area in West Virginia. Washington: Small Business Administration, 1962. 192p.
A socio-economic study of Boone, Logan and Raleigh counties.
685. STOCK, A. R.
The story of 22 coal men who refused to take the count. *Sales Management JI* 15, 1940 20-22.
Coal operators in Missouri and Kansas establish a cooperative advertising fund.
686. SUFFERN, ARTHUR E. AND OTHERS
The bituminous coal industry. American Economic Association. *Papers & Proceedings* 11: 116-22 1921.
687. SYMPOSIUM ON COAL AND PUBLIC POLICIES
Sponsored by the University of Tennessee and Oak Ridge National Laboratory. Held Oct. 13-15, 1971. Knoxville: Center for Business and Economics Research, University of Tennessee, 1972. 170p.
688. TABB, WILLIAM K.
A recursive programming model of resource allocation and technological change in the U.S. Bituminous Coal Industry. Dissertation. University of Wisconsin, 1968.
689. TAYLOR, JOHN R.
Study of the financial structures of fifteen selected coal companies operating in the bituminous industry. Thesis. University of Illinois. 1937.

690. TAYLOR, SAMUEL A.
The purchase of coal by the B.T.U. method, and some practical questions connected therewith. American Mining Congress. *Proceedings* 12: 335-49 1909.
691. TENNESSEE. GENERAL ASSEMBLY
Legislative Council Committee study on the coal industry. Final Report. Nashville, 1964. 29p.
692. TENNESSEE. UNIVERSITY. APPALACHIAN RESOURCES PROJECT
The economics of the private and social costs of Appalachian coal production; a progress report for the period January 1, 1973 - June 30, 1973. Knoxville, Tenn., 1973. 34p.
693. TENNESSEE VALLEY AUTHORITY. OFFICE OF POWER.
Comparison of coal-fired and nuclear power plants for the TVA system. Chattanooga, 1966. 36p.
694. THOMAS, B. B.
The coal monopoly. Correspondence between B. B. Thomas, president of the Thomas Coal Company, and F. B. Gowen, president of the Philadelphia and Reading Railroad Company. New York: Coal Trade Circular Print, [1873]. 13p.
695. THOMAS, E. H. C.
Coal profits; the truth about the money made in the coal industry. New York, 1920. 15p.
696. THOMPSON, J. C.
Stabilization of the coal market through storage. American Mining Congress. *Proceedings* 22: 691-98 1919.
697. THOMPSON, JAMES H.
The changing markets for West Virginia Coal 1951-1963. Morgantown: West Virginia University, Bureau of Business Research, 1964. 40p. (West Virginia University Business and Economic Studies 9, No. 2).
698. THOMPSON, JAMES H.
Markets and marketing methods of the West Virginia coal industry. Morgantown: West Virginia University, 1953. 15p. (Bureau of Business Research, Business and Economic Studies 2: 3).

699. THOMPSON, JAMES H.
Significant trends in the West Virginia coal industry, 1900-1957. Morgantown: West Virginia University, 1958. 65p. (West Virginia University Business & Economic Studies 6: 1).

Devoted largely to statistics on production, employment, wages, accidents, etc.
700. THOMPSON, JAMES H.
State and local taxation of the bituminous coal industry. *West Virginia Law Review* 76: 297-323 1974.

"Purpose of this paper is to describe and analyze, from an economic standpoint, present methods of taxing this product and industry at the state and local levels."
701. THORNLEY, FRED C.
Coal: plan for organized distribution. New York, [1920]. 7p.
702. THORP, WILLIAM L.
Coal for Europe. *State Dept. Bulletin* 17: 697-702 1947.
703. TOMIMATSU, T. T. AND ROBERT E. JOHNSON
The state of the U. S. coal industry. Washington: GPO, 1976. 32p. (U. S. Bureau of Mines. Information Circular 8707).

"A financial analysis of selected coal-producing companies with observation on industry structure".
704. TRACY, ELEANOR J.
The rise of John Samuels. *Fortune* Oct 1975 144-49.

The International Carbon and Minerals Group, controlled largely by Samuels, has become a major factor in the coal industry.
705. TRAER, GLENN W.
Conservation in the coal industry. American Mining Congress. *Proceedings* 11: 152-65 1908.

Author urges greater efficiency and the merging of small units.
706. TRAPNELL, W. C. AND RALPH ISLEY
The bituminous coal industry, with a survey of competing fuels. Washington: Federal Emergency Relief Administration. 1935. 154p. plus appendix.
707. TROTT, HARLAN
Oil from coal: we wouldn't run out. *Progressive* June 1974 43-6.

Author maintains that oil could now be produced economically from coal. However, this development has been blocked by the oil companies to keep their profits high.

708. TRYON, F. G.
The irregular operation of the bituminous coal industry. American Economic Association. *Papers & Proceedings* 11: 57-73 1921.
709. TUGENDHAT, GEORGE
A billion dollar coal market? *Fortune* D 1962 102-5.
"Europe is going to need cheap coal, which the U.S. has in plenty."
710. TURNER, HARRY
Coal merchandising; a manual for retail coal merchants. Topeka, Kansas, 1933. 76p.
711. U. S. ATOMIC ENERGY COMMISSION. TECHNICAL INFORMATION CENTER
Coal processing, gasification, liquefaction, desulfurization; a bibliography. Oak Ridge, 1974. 757p.
712. U. S. BUREAU OF LABOR STATISTICS
Bituminous coal mines, 1933-66, wage chronology. Washington: GPO, 1965. 15p. (Bulletin 1461).
Traces the change in wage scales and related benefits.
713. U. S. BUREAU OF LABOR STATISTICS
Increase of prices of anthracite coal following the wage agreement of May 20, 1912. Washington: GPO, 1913. 128p. (62nd Cong., 3d Sess. House. Doc. 1442).
- 713a. U. S. BUREAU OF LABOR STATISTICS
Wage chronology, bituminous coal mine operators and United Mine Workers of America, October 1933—November 1974. Washington: GPO, 1973. 34p. (Bulletin 1799)
714. U. S. COAL COMMISSION
Report of the United States Coal Commission. Washington: GPO, 1925. 5 volumes. (68th Cong., 2d Sess. Senate. Doc. 195).
715. U. S. COMMISSIONER OF LABOR
Bituminous coal, cost of production. In Sixth Annual Report (1890) of the Commissioner of Labor, pp195-282.

716. U. S. CONGRESS. COMMITTEE ON THE DISTRICT OF COLUMBIA
The coal supply of the District of Columbia. Washington:
GPO, 1903. 6 vols.
717. U. S. CONGRESS. HOUSE
Anthracite and bituminous coal situation. Letter from the
chairman of the Federal Trade Commission transmitting
report on anthracite and bituminous coal situation and the
relation of rail and water transportation to the present fuel
problem. Washington: GPO, 1917. 29p. (65th Cong., 1st
Sess. House. Doc 193).
718. U. S. CONGRESS. HOUSE
Preliminary report by the Federal Trade Commission on
the production and distribution of bituminous coal; letter
from the chairman of the Federal Trade Commission
transmitting preliminary report by the Federal Trade
Commission on the production and distribution of bitum-
inous coal. Washington: GPO, 1917. 8p. (65th Cong., 1st
Sess. House. Doc. 152).
719. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOR-
EIGN COMMERCE
Coal. Washington: GPO, 1926. 3 vols.
720. U. S. CONGRESS. HOUSE. COMMITTEE ON WAYS AND MEANS
Prohibition upon importation of anthracite coal, hearings,
71st Congress, 2d session, on H. R. 12061, for prohibition
upon importation into United States of certain anthracite
coal, June 17, 1930. Washington: GPO, 1930. 20p.
721. U. S. CONGRESS. HOUSE COMMITTEE ON WAYS AND MEANS
Stabilization of bituminous coal mining industry. Washing-
ton: GPO, 1935. 600p.
722. U. S. CONGRESS. SENATE
Anthracite coal prices; letter from the federal trade com-
mission transmitting, in response to Senate Resolution of
June 22, 1916, a report of the Federal Trade Commission
to the Senate of the United States on Anthracite coal pri-
ces. Washington: GPO, 1917. 4p. (65th Congress, 1st Sess.
Senate. Doc. 19).
723. U. S. CONGRESS. SENATE
Coal industry stabilization bill. Report submitted by Mr.
Frelinghuysen, from the Committee on Interstate Com-
merce. Washington: GPO, 1921. 4p. (67th Cong., 1st
Sess. Senate. Report 55).

724. U. S. CONGRESS. SENATE
Distribution and price of coal, conference report on H. R. 12472, to declare national emergency to exist in production, transportation, and distribution of coal and other fuel, granting additional powers to Interstate Commerce Commission, providing for declaration of car-service priorities in interstate commerce during present and any succeeding emergency, and to prevent extortion in sale of fuel; submitted by Mr. Cummins. Sept. 14, 1922. Washington: GPO, 1922. 4p. (67th Cong., 2d Sess. Senate. Document 251).
725. U. S. CONGRESS. SENATE
Effect of strike upon bituminous coal prices. Letter from the Secretary of Commerce, transmitting in response to Senate Resolution of June 2, 1922, a statement relative to the production and prices of bituminous coal and the action of governmental agencies to end the strike. Washington: GPO, 1922. 7p. (67th Cong., 2d Sess. Senate. Document 209).
726. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Coal policy issues. Washington: GPO, 1974. 2 vols.
727. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Coal research. Hearings before the Sub-committee on Mineral, Materials, and Fuels . . . on S. 49 and S. 1362, bills to encourage and stimulate the production and conservation of coal in the United States. Washington: GPO, 1959. 70p.
728. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Greater coal utilization. Washington: GPO, 1975. 469p.
Hearings on S. 1777, a bill to require that electric powerplants "be capable of utilizing coal as their primary energy fuel".
729. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
National fuels study. Hearings before the Committee on Interior and Insular Affairs, United States Senate, Eighty-seventh Congress, First Session, on Senate resolution 105, a resolution to create a Special Committee on a Special National Fuels Study. June 12 and 13, 1961. Washington: GPO, 1961. 239p.

730. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Report of the national fuels and energy study group on an assessment of available information on energy in the United States. Washington: GPO, 1962. 499p. (87th Congress, 2nd Session).
731. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INDUSTRIAL AFFAIRS. SUBCOMMITTEE ON MINERALS, MATERIALS, AND FUELS
Coal gasification development. Washington: GPO, 1971. 169p.
732. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINERALS, MATERIALS, AND FUELS
Review of the developments in coal gasification. Washington: GPO, 1972. 122p.
733. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Increased price of coal; hearings before subcommittee pursuant to S. Res. 126, directing Committee on Interstate Commerce to hold hearings in order to make inquiry into causes which have brought about enormous increase in market price of coal and to report its findings and recommendations with view to Congressional or Executive action. Washington: GPO, 1919-20, 483p.
734. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE
Oil and Coal Shortage. Hearing before a subcommittee of the Committee on Interstate and Foreign Commerce, U. S. Senate, 80th Congress, 1st Session on oil and coal shortage. December 9, 1947. Washington: GPO, 1947. 129p.
735. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE
Causes of unemployment in the coal and other domestic industries. Washington: GPO, 1950. 512p.
736. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE
Causes of unemployment in the coal and other domestic industries. Washington: GPO, 1955. 772p.
737. U. S. CONGRESS. SENATE. COMMITTEE ON MANUFACTURERS
Shortage of coal. Washington: GPO, 1918-19. 3 vols.

738. U. S. CONGRESS. SENATE. COMMITTEE ON MANUFACTURE
Publication of production and profits in coal. Washington:
GPO, 1921. 3 vols. in 2.
739. U. S. CONGRESS. SENATE. COMMITTEE ON PUBLIC WORKS. SUB-
COMMITTEE ON ECONOMIC DEVELOPMENT
Impact of energy development on northwestern New Mex-
ico. Washington: GPO, 1976. 635p.
740. U. S. CONGRESS. SENATE. SPECIAL COMMITTEE TO INVESTIGATE
INDUSTRIAL CENTRALIZATION
Investigation of industrial centralization. Part 3: Iowa
coal resources. Washington: GPO, 1945.
741. U. S. CONGRESS. SENATE. SPECIAL COMMITTEE TO INVESTIGATE
THE FUEL SITUATION IN THE MIDDLE WEST
The fuel situation in the Middle West. Washington: GPO,
1943. 1300p.
742. U. S. FEDERAL ENERGY ADMINISTRATION
Task force report of the Interagency Task Force on Coal.
Washington: GPO, 1974. 175p.
"This report contains the final technical analysis of the Project In-
dependence Interagency Coal Task Force chaired by the Depart-
ment of the Interior".
743. UNITED STATES FEDERAL TRADE COMMISSION
Cost reports of the Federal Trade Commission. Coal. 1919-
1921. Washington. 7 volumes. v1. Pennsylvania—bitumin-
ous. v2. Pennsylvania—anthracite. v3. Illinois—bituminous.
v4. Alabama, Tennessee and Kentucky—bituminous. v5.
Ohio, Indiana, Michigan—bituminous. v6. Maryland, West
Virginia and Virginia—bituminous. v7. Trans-Mississippi
states—bituminous.
744. U. S. FEDERAL TRADE COMMISSION
Investment and profit in soft coal mining. Washington:
GPO, 1922. pt. 1: 10p, pt. 2: 208p. (67th Congress, 2d Ses-
sion. Senate Document 207).
745. U. S. FEDERAL TRADE COMMISSION
Preliminary report of the Federal Trade Commission on
investment and profit in soft coal mining. Washington:
GPO, 1922. 222p.

746. U. S. INTERSTATE COMMERCE COMMISSION
Report on discriminations and monopolies in coal and oil.
Washington: GPO, 1907. 81p. (59th Cong., 2nd Session.
House. Document 561).
747. U. S. LIBRARY OF CONGRESS. CONGRESSIONAL RESEARCH SERVICE
Factors affecting the use of coal in present and future
energy markets. Washington: GPO, 1973. 43p.
748. U. S. STEEL COAL ALSO IS INVOLVED
Coal Age Oct 1973 88-144.

Comprehensive account of all aspects of the coal operations of the
United States Steel Corp.
749. U. S. TREASURY DEPARTMENT
Taxes of anthracite coal mining companies. Washington:
GPO, 1926. 10p. (69th Cong., 1st Sess. Senate. Doc. 48).
750. UNUSED MANPOWER IN PENNSYLVANIA ANTHRACITE AREA
MLR 54: 1101-6 1942.
751. UP IN SMOKE
Forbes Dec 15, 1975 28-30.

Environmentalists have made it "sheer fantasy to talk about doubling U. S. coal production over the next decade".
752. UTAH. COMMITTEE TO STUDY OPERATIONS OF STATE GOVERNMENT
An economic study of the development of Utah's coal resources. n.p., 1936. 139p.
753. VAILE, R. S.
Coal distribution in the twin cities. Minneapolis: University of Minnesota, 1932. 99p. (Minnesota Studies in Economics and Business No. 2).
754. VANCE, STANLEY C.
A critical analysis of the data and methods available for technical capital measurement in bituminous coal mining. Ph. D. University of Pennsylvania. 1951.
755. VAN HISE CHARLES R.
Relation of big business to mining. *Coal Age* 4: 691-95 1913.
756. VEENSTRA, T. A. AND W. G. FRITZ
Major economic tendencies in the bituminous coal industries. *Quarterly Journal of Economics* 51: 106-130 1936.

757. VINCENT, MERLE D.
Chaotic coal. *Survey Graphic* 22: 539-45 1933.
Discussion of the role of the "captive" bituminous mines.
758. VIRGINIA. DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT
Production and marketing of coal in Virginia and the nation. Richmond, 1955. 102p.
759. VIRTUE, C. O.
The anthracite combinations. *Quarterly Journal of Economics* 10: 296-323 1896.
760. VOGTLE, A. W.
Coal by wire. *Public Utilities* 63: 433-41 1959.
The increase in transportation costs may force the location of electric utility plants near mines and the utilization of high transmission lines.
761. VOSKUIL, WALTER H.
Economic and competitive position of Illinois coal. *AIME Transactions* 119: 392-404 1936.
762. VOSKUIL, WALTER H.
Potential markets for Illinois coal on the Upper Mississippi Waterway. Illinois Geological Survey. Circular 41, 1938. 19p.
763. WADLEIGH, F. R.
International trade in coal. *Ann. Amer. Acad.* 127: 102-11 1926.
764. WADLEIGH, F. R.
Our future in the trade. *Coal Age* 2: 894-97 1912; 3: 215-17 1913.
765. WADLEIGH, F. R.
Substitutes for anthracite as a domestic fuel, with some remarks on the purchase of coal by industrial users. *Ann. Amer. Acad.* 111: 266-89 1924.
The very high price of anthracite may make it necessary to turn to other fuels.
766. WALKER, ALBERT H.
The black elephant of Reading; being a study in coal and finance. New York, 1910. 15p.
Deals largely with the Philadelphia & Reading Coal & Iron Co.

767. WALKER, FRANCIS
The development of the anthracite combination. *Ann. Amer. Acad.* 111: 234-248 1924.
768. WALSH, JOHN
Problems of expanding coal production. *Science* 184: 336-9 Ap 19, 1974.
769. WARNE, FRANK J.
Trade agreement in the coal industry. *Ann. Amer. Acad.* 36: 340-48 1910.
770. WARNER, FAYETTE S.
The future movement of iron ore and coal in relation to the St. Lawrence waterway. Philadelphia: University of Pennsylvania, 1930. 195p. (Wharton School of Finance & Commerce. Research Studies. VIII).
771. WARRINER, S. D.
The anthracite industry: wage, prices and regulation. *Ann. Amer. Acad.* 111: 53-60 1924.
772. WATKINS, HAROLD M.
Coal and men; an economic and social study of the British and American coal fields. London: Allen & Unwin. 1934. 460p.
773. WATSON, WILLIAM D.
Costs of air pollution control in the coal-fired electric power industry. *Quarterly Review of Economics and Business* 12: 63-85 1972.
774. WEAVER, PAUL H.
Behind the big scrubber fracas. *Fortune* Feb 1975 106-10.
Government insists that vast sums be spent for scrubbers, although the relationship between sulfur dioxide and health is not clear.
775. WEBB, JOHN N.
Unemployment in a depressed coal-mining area in southern Illinois. *MLR* 49: 1295-1310 1939.
776. WEINBERG, EDGAR
Technological change and productivity in the bituminous coal industry. Washington: GPO, 1961. 136p. (U. S. Bureau of Labor Statistics. Bulletin 1305).

777. WEST, JIM
U. S. oils pour money into expanding coal production. *Oil & Gas Journal* Je 30, 1975 41-5.
778. WEST VIRGINIA. LEGISLATURE. JOINT COMMITTEE ON GOVERNMENT AND FINANCE. SUBCOMMITTEE ON COAL MINING.
A study of the West Virginia Coal Industry and ways to help it. Charleston, W. Va., 1975.
779. WESTERN COAL.
Coal Age Apr 1973 41-257

This issue is devoted to the opportunities and problems involved in mining coal in the western states.
780. WIMPFEN, SHELDON P.
Factors affecting development of the new values of coal. *West Virginia Law Review* 76: 267-75 1973/4.
781. WING, DAVID L.
Cost, prices, and profits of the bituminous coal industry. American Economic Association. *Papers & Proceedings* 11: 74-84 1921.
782. WING, DAVID L.
The need for uniform and up-to-date data on the cost of production, investment and profits of operators. *Ann Amer. Acad.* 111: 256-65 1924.

Neither the government nor the public has sufficient information on the costs and profits of the anthracite industry.
783. WOLFE, CHARLES F.
The marketing of Hocking Valley coal in the Columbus area. Thesis. Ohio State University. 1932.
784. WOLFE, THOMAS M.
Recent changes in the bituminous coal industry. *Harvard Business Review* 10: 149-160 1931/2.
785. WOOLRICH, WILLIS R.
The purchase and storage of domestic coal. Knoxville, 1925. 15p. (University of Tennessee. Engineering Experiment Station. Bulletin No. 6).
786. WOZNIEWICZ, EDWARD J.
Causes and remedies of declining employment in the Pennsylvania anthracite area. Thesis. New York University. 1954.

787. YOUNG, GORDON
Will coal be tomorrow's "Black Gold". *National Geographic* Ag 1975 234-59.
Useful and well-illustrated review of the problems and prospects of the coal industry.
788. YOUNG, W. H. AND F. G. TYRON
Distribution statistics in coal market analysis. *JASA* 26, supp.: 20-26 1931.
789. ZANDARSKI, JOSEPH R.
Problems in the anthracite industry with special reference to marketing. Dissertation. University of Pittsburgh, 1964. 183p.
790. ZWARTENDYK, JAN
Economic aspects of surface subsidence resulting from underground mineral exploitation. Dissertation. Pennsylvania State University, 1971. 411p.
This study consists of two distinct parts. Part I is a comprehensive overview of pertinent information. Part II provides an analysis of economic aspects of surface subsidence and establishes a framework for assessing available alternatives.

Labor Relations

791. ALABAMA COAL COMMISSION
 Message of Thomas E. Kilby, governor . . . with report of Commission to Inquire into the Differences between Operators and Miners. Montgomery: Brown Printing Co., 1920. 13p. (Legislative Doc. #5).
 Supplemental report. Montgomery: Brown Printing Co., 1920. 12p. (Legislative Doc. #7).

792. ALABAMA COAL OPERATORS ASSOCIATION
 Joint scale convention of the Alabama Coal Operators Association and the United Mine Workers of America. . . and the proceedings of the Board of Arbitration. Birmingham: Roberts & Son, 1903. 947p.

793. ALBRIGHT, CHARLES
 The great Mollie Maguire trials in Carbon and Schuylkill Counties, Pennsylvania . . . 1876. Pottsville, Pennsylvania: Chronicle, 1876. 94p.

794. ALINSKY, SAUL
 John L.: something of a man. *Nation* 208: 827-8 1969.

795. ALINSKY, SAUL
 John L. Lewis, an unauthorized biography. New York: Putnams, 1949. 387p. (Re-issued by Vintage Books in 1970).

796. ALLEN, DANIEL
 Mine war in Pennsylvania. *Nation* 137: 176-77 1933.
 Highly partisan account of the strike in the bituminous coal fields of southwestern Pennsylvania.

797. ALLEN, HENRY J.
 How Kansas broke a strike and would solve the labor problem. *Current Opinion* 68: 472-78 1920.

As the result of a coal strike, Kansas established a Court of Industrial Relations to compel settlement of labor disputes.

798. AMERICAN CIVIL LIBERTIES UNION
The Kentucky miners' struggle. New York, 1932. 23p.
799. AMERICAN CIVIL LIBERTIES UNION
War on the Colorado miners. New York, 1928. 11p.
800. AMMONS, ELIAS M.
Colorado strike. *North American Review* 200: 35-44 1914.
Author was Governor of Colorado.
801. ANDERSON, GEORGE J.
Labor policy in the bituminous coal industry. New York, 1922. 41p.
802. ANDERSON, L. C.
Mine labor conditions in West Virginia. *Outlook* 82: 861-62 1906.
803. ANGLE, PAUL M.
Bloody Williamson; a chapter in American lawlessness. New York: Knopf, 1952. 300p.
Account of the so-called Herrin Massacre (Sept. 1922) and related violence in the coal fields of southern Illinois.
804. ANSLEY, FRAN AND BRENDA BELL
Miners' insurrection/convict labor. *Southern Exposure*. 1: 3/4 1973/4 144-159.
Account of the violence growing out of the use of convict labor in the coal mines of East Tennessee.
805. ANSLEY, FRAN AND BRENDA BELL
Strikes in the coal camps. *Southern Exposure* 1: 3/4 114-36 1973/74.
Account of labor disputes in the Cumberland Plateau of Tennessee in 1937. Center of trouble was in the Davidson-Wilder area.
806. ANSON, CHARLES F.
A history of the labor movement in West Virginia. Thesis. University of North Carolina. 1940. 343p.
807. ANTHRACITE BUREAU OF INFORMATION
The anthracite strike of 1922; a chronological statement of the communications and negotiations between the hard coal operators and the United Mine Workers of America. Philadelphia, n.d. 62p.

808. ANTHRACITE BUREAU OF INFORMATION
The anthracite strike of 1925-1926 . . . Philadelphia, 1926.
54p.
809. ANTHRACITE COAL CRISIS AND CONDITIONS IN WEST VIRGINIA
Outlook 82: 575-78 1906.
810. THE ANTHRACITE MINERS' CONVENTION
Coal Age 1: 1076-77 1911/12.
Report of a tri-district convention of anthracite miners.
811. ANTHRACITE OPERATORS
Before the U. S. Anthracite Coal Commission. Exhibits of
the anthracite operators in reply to exhibits presented by
the anthracite mine workers. Scranton, 1920. Various pag-
ing.
812. ANTHRACITE STRIKE: ITS SOCIAL AND RELIGIOUS EFFECTS
Outlook 72: 585-89 1902.
813. APPALACHIAN COAL MINERS WANT DECENT WORKING CONDI-
TIONS
Brookside, Ky.?, 1973. 7p.
A pro-union account of the issues and events relating to the strike
against the Eastover Mining Co., near Brookside, Ky.
814. ARCHBALD, HUGH
The four hour day in coal; a study of the relation between
the engineering of the organization of work and the dis-
content among the workers in the coal mines. New York:
H. W. Wilson, 1922. 148p.
815. ARMBRISTER, TREVOR
Act of Vengeance. New York: Saturday Review Press,
1975 341p.
"The Yablonski murders and their solution".
816. ARTICLES OF AGREEMENT BETWEEN THE KANAWHA OPERATORS
AND THE UMWA
Coal and Coke My 1, 1904 10-13; N 1, 1904 8-9.
Includes wages. hours, working conditions, etc.
817. AURAND, AMMON M.
Historical account of the Mollie Maguires and James "Mc-
Kenna" McParlan, detective extraordinary; origin, depre-
ciations and decay of a terrorist secret organization in the

Pennsylvania coal fields during and following the Civil War. Harrisburg: Priv. print., 1940. 32p.

818. AURAND, HAROLD W.
The anthracite mine workers, 1869-1897: a functional approach to labor history. Dissertation. Pennsylvania State University. 1969. 396p.
819. AURAND, HAROLD W.
From the Molly Maguires to the United Mine Workers; the social ecology of an industrial union. Philadelphia: Temple University Press, 1971. 221p.
820. AURAND, HAROLD W.
Workingmen's Benevolent Association. *Labor History* 7: 19-34 1966.
"During its brief seven-year life (1868-1975) the Workingmen's Benevolent Association became the anthracite miners' first industry-wide labor union".
821. BACH, E. E.
Social and religious organizations as factors in labor problems. AIME. *Transactions* 59: 590-611 1918.
Mr. Bach was "Sociological Director" of the Ellsworth Collieries Co., Ellsworth, Pennsylvania.
822. BAILEY, KENNETH R.
Tell the boys to fall in line. *West Virginia History* 32: 224-37 1970/71.
Account of the unsuccessful strikes of the UMWA in West Virginia during the first half of 1894.
823. BAKER, RAY S.
The right to work: the story of the non-striking miners. *McClures* 20: 323-36 1902/3.
The Anthracite Strike.
824. BALTIMORE SUN (NEWSPAPER)
Mingo County West Virginia coal strike. Baltimore, 1921. 18p.
Reprint of a series of articles appearing in the Baltimore Sun. January 23-25, 1921.
825. BANCROFT, THOMAS B.
Strikes in the Ohio coal fields. *Ohio Mining Journal* 3: 3 1885 27-40.
Includes copies of agreements and contracts between miners and operators.

826. BANNARD, WILLIAM N.
Weary land, a study of the early labor relations in the anthracite coal fields. n.p., 194-?. 166p. proc.
827. BARATZ, MORTON S.
The union and the coal industry. New Haven: Yale University Press, 1955. 170p. (Yale Studies in Economics 4).
828. BARB, JOHN MILLIKEN
Strikes in the southern West Virginia coal fields, 1912-1922. Thesis. West Virginia University. 1949. 137p.
829. BARTHOLOMEW, HARVEY E.
Anarchy in Colorado: who is to blame. Denver: Bartholomew Publishing Company, 1905. 136p.
830. BATTLE AT BROOKSIDE
United Mine Workers Journal Apr. 1-15, 1974 5-7.
831. BAYARD, CHARLES J.
The 1927-1928 Colorado coal strike. *Pacific Historical Review* 32: 235-50 1963.
832. BEAME, EDMOND M.
Jacksonville agreement: quest for stability in coal. *Industrial and Labor Relations Review* 8: 195-203 1955.

The Jacksonville Agreement, signed F 19, 1924, was a three-year contract between UMW and Operators of the Central Competitive Field.
833. BEMIS, EDWARD W.
Mine labor in the Hocking Valley. Saratoga, New York: American Economic Association, 1888. 15p. (American Economic Association. *Publication* 1888-89. 3: 3 pp.27-42).
834. BENSON, H. W.
Miners for Democracy: a report from West Virginia. *Dissent* 19: 632-38 1972.
835. BERLE, A. A.
The Colorado mine war. *Bibliotheca Sacra* 1914: 548-72.
836. BERNSTEIN, IRVING AND HUGH G. LOVELL
Are coal strikes national emergencies? *Industrial & Labor Relations Review* 6: 352-67 1953.

Reviews legal decisions concerning such strikes, 1937-50.

837. BESHOR, BARRON B.
Out of the depths; the story of John R. Lawson, a labor leader. Denver, 1942. 372p.
Contains much useful information on the Colorado miners' strike of 1913-1914.
838. BETHELL, THOMAS N.
Conspiracy in coal. Huntington, W. Va.: Appalachian Movement Press 1971. 36p.
UMWA officials have little interest in providing any real help to the miners.
839. BETHELL, THOMAS N.
South-east Coal Co. in a battle for life. *Appalachian Look-out* Dec 1968, 3-6.
The efforts of a small coal mining company to hold out against the pressures of the union and of the giant companies of the coal industry.
- 839a. BETHELL, TOM
1974: Contract at Brookside. *Southern Exposure* 4: 114-18 1976.
Account of UMWA activities and problems in Harlan County, Kentucky.
840. BIMBA, ANTHONY
The Molly Maguires. New York: International Publishers, 1932. 144p.
Deals with the troubles in the anthracite coal regions of Pennsylvania, circa 1875.
- 840a. BISHOP, BILL
1931: The battle at Evarts. *Southern Exposure* 4: 92-101 1976.
Labor troubles in Harlan County, Kentucky.
841. BITTNER, VAN A.
Wages in bituminous coal mines as viewed by the miners. *Ann. Amer. Acad.* 111: 39-42 1924.
"The earning of bituminous coal miners have always been notoriously low."
842. BITUMINOUS COAL STOPPAGE, 1939
MLR 49: 691-703 1939.
Includes text of Appalachian Agreement.

843. BITUMINOUS OPERATORS' SPECIAL COMMITTEE
Comparative efficiency of labor in the bituminous coal industry under union and non-union operation. Submitted to the United State Coal commission by the Bituminous Operators' Special Committee, September 10, 1923. [Washington, 1923]. 253p.
844. BITUMINOUS OPERATORS' SPECIAL COMMITTEE
Letter and brief on the campaign of aggression of the United Mine Workers of America in 1922. in enforcing the domination of their monoploy in the State of Ohio. Washington, 1923. 18p.
845. BITUMINOUS OPERATORS' SPECIAL COMMITTEE
Letter and statement to the United States Coal Commission on Herrin. n.p., [1923]. 50p.
846. BITUMINOUS OPERATORS' SPECIAL COMMITTEE
Maryland; the campaign of violence conducted by the UMWA against the open shop mines in the Georges Creek and Upper Potomac fields n.p., 1923. 50p.
847. BITUMINOUS OPERATORS' SPECIAL COMMITTEE
United Mine Workers in West Virginia; submitted to the United States Coal Commission, Aug. 1923. n.p., 1923. 121p.
Account of violations of law and order on the part of the UMWA and its supporters.
848. THE "BLACK DIAMOND" VS. DEMAGOGISM
Black Diamond 5: 210, 251-52 1889/90.
Attack on labor leaders who hold miners in "demagogic thraldom."
849. BLANKENHORN, HEBER
Marching through West Virginia. *Nation* 113: 288-89 1921.
Account of events leading up to the "march on Logan".
850. BLANKENHORN, HEBER
The strike for union; a study of the non-union question in coal and the problems of the democratic movement. New York: H. W. Wilson, 1923 (1924). 259p.
"Based on the record of the Somerset (Pennsylvania) strike, 1922-23."

851. BLIZZARD, WILLIAM C.
There's never peace in West Virginia's hills. *Nation* 177:
548-49 1953.

Description of conditions at Widen, West Virginia.
852. BLOCH, LOUIS
Labor agreements in coal mines; a case study of agree-
ments between miners' and operators' organizations in the
bituminous coal mines of Illinois. New York: Russell Sage
Foundation, 1931. 513p.
853. BLUE EAGLE AND THE MINERS
New Republic 77: 34-5 1933.

NRA officials said to favor J. L. Lewis in his struggle with the Pro-
gressive Miners of America in Illinois.
854. BOARD OF REFERENCE REPORTS ON WAGE DISPUTE IN ANTHRA-
CITE INDUSTRY
MLR 36: 815-18 1933.
855. BOUGHTON, EDWARD J.
Coal strike and rebellion in Colorado. Chicago: National
Founders' Association, 1915. 27p.
856. BOWDEN, WITT
The changing status of bituminous coal miners, 1937-1946.
Washington: GPO, 1946. 10p. (Bureau of Labor Statistics.
Bulletin 882).

Appeared also in *MLR* 63: 165-76 1946.
857. BOWDEN, WITT
Two alternatives in the settlement of the Colorado coal
strike. *Survey* 31: 320-22 1913.
858. BRADLEY, JOSEPH G.
The coal operator and the coal miner—a partnership. n.p.,
West Virginia Mining Institute, 1922. 16p.
859. BRANSCOME, JAMES
Death and rebellion in the UMW; an epitaph for corrup-
tion. *Appalachian Journal* Autumn 1973, 209-12.

Summary of the many facets of corruption within the union and the
betrayal of the Appalachian miner by John L. Lewis and Tony
Boyle.

860. BRANSCOME, JAMES
Through mine disaster, carnage and the Yablonski murders
emerges Arnold Miller. *Southern Voices* Mr/Apr 1974 66,
68-70.
861. BROEHL, WAYNE G.
The Molly Maguires. Cambridge: Harvard University
Press, 1964. 409p.
862. BROOKS, JOHN G.
An impression of the anthracite coal troubles. *Yale Review*
6: 306-11 1897/98.
Strike of 1897.
863. BROOKS, JOHN G.
The public and the anthracite coal strike. *Economic Jour-
nal* 13: 364-72 1903.
864. BROOKSIDE MINE 1974
Southern Exposure Spring/Summer 1974 52-55.
Account of aspects of the strike, including two ballads.
865. BROPHY, JOHN
A miner's life. Madison: University of Wisconsin Press,
1964. 320p.
Autobiography of one of the more important leaders in the Amer-
ican labor movement.
866. BROPHY, JOHN
President Lewis and the coal miners. *New Republic* 61:
145-6 1929.
"Judged by any standard, the Lewis machine has failed."
867. BROPHY, JOHN
Report of John Brophy, president, to the membership of
District 2, UMWA. March, 1927. n.p., 1927. 20p.
868. BROWN, STUART
A man named Tony. New York: W. W. Norton, 1975.
Deals with the trials growing out of the Yablonski murders.
869. BRUERE, ROBERT W.
Mind of the anthracite miners. *Survey* 55: 16-19 1925.
Author feels that the relations between miner and mine owner have
improved and will continue to do so.

870. BUBKA, TONY
Harlan County coal strike of 1931. *Labor History* 11: 41-57 1970.
An account of the Harlan strike both before and after the entry of the National Miners Union.
871. BYARS, J. C. JR.
Harlan County, act of God? *Nation* 134: 672-4 1932.
Miners and their families are close to starvation.
872. CALDWELL, NAT AND GENE S. GRAHAM
The strange romance between John L. Lewis and Cyrus Eaton. *Harpers Dec* 1961 25-32.
"The first full report on a case revealing a conspiracy in which a big union and a big capitalist got together to force little coal mines out of business and thousands of miners out of work."
873. CAPTIVE COAL MINE STRIKE AND SETTLEMENT
Monthly Labor Review 54: 94-7 1942.
Captive mines were located in Kentucky, Pennsylvania and West Virginia.
874. CARNES, CECIL
John L. Lewis: leader of labor. New York: Robert Speller, 1936. 331p.
- 874a. CARR, JOE D.
Labor conflict in the eastern Kentucky coal fields. *Filson Club Historical Quarterly* 47: 179-92 1973.
Account of conflicts during the 1930's.
875. CARRITT, G.
American students and Kentucky gunmen. *New Statesman and Nation* 3: 703-704 1932.
Short account of the expedition of the National Student League to the Kentucky coal fields.
876. CARTER, CHARLES F.
The West Virginia coal insurrection. *North American Review* 198: 457-69 1913.
877. CARTER, CHARLES F.
Murder to maintain coal monopoly. *Current History* 15: 597-603 1922.
"... twenty-three years of arson, assault and assassination in West Virginia."

878. CARY, LORIN L.
Adolph Germer: from labor agitator to labor professional.
Dissertation. University of Wisconsin. 1968. 276p.
Germer was active in the UMWA from 1900 to 1916.
879. CARY, LORIN L.
The Reorganized Mine Workers of America, 1930-1931.
Illinois State Historical Society Journal 66: 245-70 1973.
Account of the development and demise of the organization.
880. CASHMAN, JOSEPH T.
America asleep; the menace of radicalism. New York: Na-
tional Security league, 1923. 15p.
Attack on the UMWA.
881. CASSIDY, ROBERT
Solidarity: mine workers united against the United Mine
Workers. *New Republic* Mr 6, 1971 14-16.
882. CAUSES AND SETTLEMENT OF COAL STRIKE
Review of Reviews 26: 515-527 1902.
883. CENTRAL PENNSYLVANIA COAL PRODUCERS' ASSOCIATION
Bituminous coal mining lectures. Altoona, Pennsylvania,
1949. 148p.
Contains sections on labor relations and economics.
884. CHAMBERLAIN, JOHN
The special case of John L. Lewis. *Fortune* Sept 1943 106-
9+.
"His philosophy of expedience has immediate and long-term
dangers".
885. CHAMBERLAIN, NEIL W. AND JANE M. SCHILLING
The impact of strikes; their social and economic costs. New
York: Harper, 1954. 257p.
Chapters 4-6 deal with coal strikes, 1939-1950.
886. CHAPLIN, HERMAN W.
The coal mines and the public. Boston, New York: J. B.
Millet, 1902. 63p.
"A popular statement of the legal aspects of the coal problem, and
of the rights of consumers." Deals with the anthracite strike of
1902.

887. CHILDS, MARQUIS W.
Illinois mine battle. *New Republic* 72: 121-23 1932.
888. CITIZENS PUBLIC INQUIRY INTO THE BROOKSIDE STRIKE
Proceedings of the citizens public inquiry into the Brookside Strike, March 11 and 12, 1974, Harlan County, Kentucky. Evarts, Ky., 1974. 300p.
889. CLAPP, THOMAS C.
The bituminous coal strike of 1943. Dissertation. University of Toledo, 1974. 271p.
890. CLARK, J. M.
Coal production and the strike settlement. *Journal of Political Economy* 28: 80-84 1920.
891. CLARK, WALTER
Government ownership the inevitable if not the immediate result of the strike. *American Law Review* 56: 776-83 1922.
892. COAL AND KENTUCKY
Commonweal 30: 129-30 1939.
A collection of editorial opinion on the coal strike of 1939.
893. COAL MINERS' COMBINATION
Scientific American 20: 377 1869.
Editorial against the "excessive" demands of the miners.
894. COAL MINING CONDITIONS IN COLORADO
Monthly Labor Review 26: 1131-36 1928.
Report of the Industrial Commission of Colorado concerning the strike in the Colorado coal fields organized by the IWW in 1927.
895. COCHRAN, JOHN A.
Collective bargaining in the bituminous coal industry. Dissertation. Harvard University, 1949.
896. COLE, E. L.
Anthracite coal strike situation. *Coal Age* 1: 601-3 1911/12.
897. COLEMAN, JAMES W.
Labor disturbances in Pennsylvania, 1850-1880. Dissertation. Catholic University. 1936.
A study of the labor disturbances in the Pennsylvania coal regions led by the Molly Maguires. (Published without thesis notes as: The Molly Maguire riots).

898. COLEMAN, JAMES W.
The Molly Maguire riots; industrial conflict in the Pennsylvania coal region. Richmond: Garratt & Massie, 1936. 189p.
899. COLEMAN, MCALISTER
A week in West Virginia. *Survey* 53: 532-34 1925.
Account of labor unrest in the southern West Virginia coal fields.
900. COLEMAN, MCALISTER
Men and coal. New York: Farrar & Rinehart, 1943. 350p.
Deals largely with labor relations and working conditions in the coal industry. Part of the "Labor in Twentieth Century America" series.
901. COLLECTIVE BARGAINING AND COLORADO
Survey 33: 426-30 1915.
Exchange of letters between J. D. Rockefeller, Jr.; W. L. M. King and J. F. Welborn.
902. COLORADO INDUSTRIAL COMMISSION
The United Mine Workers of America, District No. 15, employees of the Colorado Fuel & Iron Co. vs. the Colorado Fuel & Iron Co. Findings and award. [Denver. 1917?] 25p.
903. COLORADO MINE OPERATORS' ASSOCIATION
Criminal record of the Western Federation of Miners, Coeur D'Alene to Cripple Creek 1894-1904. [Denver], 1904. 32p.
904. COLORADO NATIONAL GUARD. COMMANDING GENERAL
The military occupation of the coal strike zone of Colorado by the Colorado National Guard, 1913-1914. Denver: Smith-Brooks Printing Co., 1914. 119p.
905. COLORADO. SPECIAL BOARD OF OFFICERS TO INQUIRE INTO THE ARMED CONFLICT, APRIL 20, 1914
Report. Denver: Williamson-Hafner Co., 1914. 29p.
906. COLORADO STATE FEDERATION OF LABOR
Militarism in Colorado. Denver, 1914. 16p.
907. COLORADO STRIKE
Coal Age 5: 770-77, 809-11, 851-52, 885-86, 891-92, 929-30 1914.

908. COMMITTEE OF COAL MINE MANAGERS
Facts concerning the struggle in Colorado for industrial freedom. Denver, 1914. 72p.

A reissue of "The struggle in Colorado for industrial freedom" bulletins 1-15, June 22 to Sept. 4, 1914.
909. THE CONNELLSVILLE SCALE
Black Diamond 6: 470-71 1890/91.

Includes wage demands of union and reply of operators.
910. COOLIDGE, WILLIAM H.
Brief in behalf of Island Creek Coal Company. Boston 1921. 16p.

"In the matter of the hearing before the Committee on Education and Labor of the United States Senate to investigate conditions in the coal fields of West Virginia and the territory adjacent to Kentucky."
911. CORBIN, DAVID
The Socialist and Labor Star. Huntington, W. Va.: Appalachian Movement Press, 1970. 71p.

Account of a newspaper published in Huntington, West Virginia which supported the miners in various disputes between 1912 and 1915.
912. CORNELL, ROBERT J.
The Anthracite coal strike of 1902. Washington: Catholic University of America Press, 1957. 279p.

Bibliography: p. 260-270. The work was submitted as a Ph.D. dissertation at the Catholic University.
913. CORT, JOHN C.
Lewis and the miners. *Commonweal* 38: 118-22 1943.

The "miner's side" of the 1943 strike.
914. COSTELLO, E. J.
The shame that is Kentucky's. Chicago: General Defense Committee, 1932. 27p.

The "war" in Harlan County.
915. COSTIGAN, EDWARD P.
Conditions in the coal mines of Colorado. Washington: GPO, 1914. 60p.

"Brief for the striking miners."

916. COWAN, PAUL
Harlan County, April 1974. *Village Voice* My 2, 1974 32-36; My 9, 1974 22-23.

Account of conditions in Harlan County, Kentucky with special emphasis on the Brookside strike.
917. CRAWFORD, CHARLES B.
The mine war on Cabin Creek and Paint Creek, West Virginia in 1912-13. Thesis. University of Kentucky. 1939.
918. CREEL, GEORGE
High cost of hate. *Everybody's Magazine* 30: 755-70 1914.

Colorado coal strike.
919. CULIN, STEWART
A trooper's narrative of service in the anthracite coal strike, 1902. Philadelphia: G. W. Jacobs, 1903. 91p.
920. CUMMINGS, JOHN
The passing of the coal strike. *Journal of Political Economy* 11: 55-74 1902.
921. DANIEL, PETE
The Tennessee convict war. *Tennessee Historical Quarterly* 34: 273-92 1975.

Struggle during the 1890's of the coal miners of East Tennessee against the use of convict labor to mine coal.
922. DAVIS, FRANKLIN R.
Public reaction and the coal strike of 1919. Thesis (M.A.), East Tennessee State University 1968. 97p.
923. DAVIS, JEROME
Human rights and coal. *Journal of Social Forces* 3: 102-6 1924.

Author finds little in the way of human rights for the coal miner in the West Virginia and southern coal fields.
924. DAVIS, W. T.
Southern Colorado coal strike. *Outlook* 106: 24-26 1914.
925. DAVIS, W. T.
Strike war in Colorado. *Outlook* 107: 67-73 1914.

926. DEIMEL, ROBERT W.
The public relations activity of the United Mine Workers of America between 1946 and 1950. Thesis. West Virginia University, 1971. 272p.
927. DENNETT, TYLER
Walking delegate. *Outlook* 114: 338-41 1916.
Account of problems and responsibilities of a union "trouble shooter" in the coal fields.
928. DENNISON, HENRY S. AND OTHERS
Labor relations in the anthracite industry. Washington, 1923. 66p.
929. DESTLER, CHESTER
On the eve of the anthracite coal strike arbitration: Henry D. Lloyd at United Mine Workers headquarters October-November 1902. *Labor History* 13: 279 95 1972.
"The correspondence reproduced here gives us an insight into the situation at UMW headquarters in Wilkes Barres [sic] as the strike drew to a close and the arbitration impended. The letters illuminate Lloyd's changing view of Roosevelt and the Commission, his contribution to the miners' defense, and his relation to Mitchell."
930. DEWEES, FRANCIS P.
The Molly Maguires; the origin, growth and character of the organization. Philadelphia: Lippincott, 1877. 380p.
931. DIX, KEITH
Analysis of West Virginia work stoppages. Morgantown: West Virginia University, 1971. 84p. (Institute for Labor Studies. Research Series 5).
932. DIX, KEITH
Mother Jones. *Peoples' Appalachia* Jun/Jul 1970. 6-13.
933. DIX, KEITH
Union membership in West Virginia: a profile. Morgantown: West Virginia University, 1970. 28p. (Institute for Labor Studies. Research Series 4).
934. DIX, KEITH
Work stoppages and the grievance procedure in the Appalachian coal industry. Morgantown: West Virginia University. Institute for Labor Studies. 1972. 104p.
Study focuses on the question "why do coal miners resort to wildcat strikes rather than use their grievance procedure".

935. DOS PASSOS, JOHN
Harlan: working under the gun. *New Republic* Dec 2, 1931 62-67.

Account of labor troubles in Harlan County, Kentucky.
- 935a. DRAPER, THEODORE
Communists and miners. *Dissent* 19: 371-92 1972.

History of the generally unsuccessful attempt of the Communist Party to organize the miners.
936. DRUM, FRANCIS J.
Labor relations from the standpoint of the union. *Ann. Amer. Acad.* 111: 120-24 1924.
937. DUNBAR, ANTHONY
U.M.W. vs. Duke Power: Picket lines in "Bloody Harlan." *Christianity and Crisis* Jan. 21, 1974 290-95.
938. DURAND, E. DANA
The anthracite coal strike and its settlement. *Political Science Quarterly* 18: 385-414 1903.
939. EBERLING, ERNEST J.
The issues of the anthracite problem. *Current History and Forum* 24: 247-53 1926.

Author feels that the miners have been underpaid and provided with poor and unsafe working conditions.
940. EDWARDS, DEBBIE AND OTHERS
Brookside, Kentucky. *Mountain Life & Work* Oct. 1973 2-5

Account of strike for union recognition.
941. EMMET, BORIS
Labor relations in the Fairmont, West Virginia bituminous coal field. Washington: GPO, 1924. 86p. (Bureau of Labor Statistics. Bulletin 361).
942. EVANS, CHRIS
History of United Mine Workers of America. Indianapolis [1918-1920] v1 1860-1890, v2 1890-1900.
943. EVERETT, WOODROW W.
A caterwaul from Egypt; anatomy of the 1922 Herrin Massacre. New York: Vantage Press, 1970. 105p.

944. FEDER, BERNARD
The collective bargaining and the legislative policies of the United Mine Workers of America. 1933-1947. Dissertation. New York University. 1957. 557p.
945. FEDERAL COUNCIL OF THE CHURCH OF CHRIST IN AMERICA.
COMMISSION ON CHURCH AND SOCIAL SERVICE
The coal controversy . . . New York: The Council, 1922. 63p. (Its Bulletin No. 2).
946. FEDERAL COUNCIL OF THE CHURCHES OF CHRIST IN AMERICA.
DEPT. OF RESEARCH AND EDUCATION
The coal strike in western Pennsylvania. New York: The Council, 1928. 99p. (Its Research Bulletin No. 7).
947. FEDERATION OF MINERS AND MINE LABORERS OF WEST VIRGINIA
Report of convention. *Black Diamond* Ag 1, 1888 p7.
948. FENOLI, JOHN R.
Era of conflict in southern Illinois coal fields since 1890. Thesis (M.A.). Southern Illinois University. 1962. 150p.
949. FETHERLING, DALE
Mother Jones, the miners' angel; a portrait. Carbondale: Southern Illinois University Press, 1974. 263p.
"This book is an attempt to chronicle her major actions, to sketch her legacy." Includes extensive footnotes and bibliography.
- 949a. FILIPPELLI, RONALD L.
Diary of a strike: George Medrick and the coal strike of 1927, in Western Pennsylvania. *Pennsylvania History* 43: 253-66 1976.
950. FINK, WALTER H.
The Ludlow massacre. [Denver: Williamson-Haffner, 1914] 91p.
951. FINLEY, JOSEPH
The corrupt kingdom; the rise and fall of the United Mine Workers. New York: Simon & Schuster, 1972. 315p.
952. FISHER, WALDO E.
Collective bargaining in bituminous coal. *Personnel Journal* 27: 367-76 1949.

953. FISHER, WALDO E.
Collective bargaining in the bituminous coal industry; an appraisal. Philadelphia: University of Pennsylvania Press, 1948. 43p.
954. FITCH, JOHN A.
Law and order; the issue in Colorado. *Survey* 33: 241-58 1914.
955. FITCH, JOHN A.
What Rockefeller knew and what he did. *Survey* 34: 461-72 1915.
956. FONER, PHILIP S. AND ARCHIE GREEN
Coal creek rebellion; East Tennessee Miners vs. Convict-Labor System. Huntington, W. Va.: Appalachian Movement Press, 1973. 32p.
957. FOSTER, JACK RICHARD
Union on trial: the United Mine Workers of America, District No. 11 of Indiana, 1930-1940. Dissertation. Ball State University, 1967. 225p.
958. FOSTER, WILLIAM Z.
The coal miners; their problems in war and peace. New York: New Century Publishers, 1945. 24p.
959. FOWLER, CHARLES B.
Collective bargaining in the bituminous coal industry. New York: Prentice Hall, 1927. 161p.
960. FOX, HARRY D.
Thomas T. Haggerty and the formative years of the United Mine Workers of America. Dissertation. West Virginia University, 1975. 388p.

Biography of one of the most important of the early leaders of the UMW.
961. FRANK, B.
Miners unite, for one class struggle union. New York: Workers Library, 1934. 47p.

Violent attack on John L. Lewis.
- 961a. FRANK, E. R.
John L. Lewis and Roosevelt's labor policy. *Fourth International* 4: 102-6 1943.

962. FRANKLIN D. ROOSEVELT AND JOHN L. LEWIS
Catholic World 145: 385-9 1937.
963. FRIEDMAN, MORRIS
The Pinkerton labor spy. New York: Wilshire Book Co., 1907. 229p.
Deals largely with activities of Pinkerton agents, especially in Colorado and Wyoming.
964. FULLER, CAROL A.
Analysis of fluctuations in strike activity in the bituminous coal industry. Thesis. West Virginia University, 1973. 61p.
965. GAGLIARDO, DOMENICO
Labor legislation for Kansas coal mines. Lawrence: University of Kansas, 1936. 49p. (Kansas Studies in Business 17).
966. GALLAGHER, MARY B.
John L. Lewis: the oratory of pity and indignation. *Today's Speech* S 1961 15-16.
967. GANNES, HARRY
Kentucky miners fight. New York: Workers International Relief, 1932. 31p.
968. GARTIN, EDWIN V.
West Virginia Mine War of 1912-1913: The progressive response. *North Dakota Quarterly* 41: 12-27 Autumn 1973.
969. GAY, KATHERINE
Background of the Gallup riot. *Nation* 140: 511-12 1935.
Account of conditions in Gallup. New Mexico leading to the murder of a sheriff while evicting an unemployed miner.
970. GAY, KATHERINE
Fascism enters New Mexico. *Nation* 141: 537-38 1935.
The Gallup case.
971. GEBHART, JOHN G.
The economic impact of an industry-wide strike: a case study of the 1949-50 coal strike. New York: 1950. 15p. (National Assoc. of Manufacturers. Economic Policy Division Series 27).

972. GENERAL POLICIES COMMITTEE OF ANTHRACITE OPERATORS
The anthracite emergency of 1922-1923, and how it was handled. Submitted to the United States Coal Commission April 23, 1923. n.p., 22p.
973. GENERAL POLICIES COMMITTEE OF ANTHRACITE OPERATORS
Need for greater democracy in the union. Philadelphia, 1923. 11p.
974. GENERAL POLICIES COMMITTEE OF ANTHRACITE OPERATORS
The union ultimatum; the checkoff or no anthracite. Philadelphia, 1923. 12p.
975. GEORGE, HENRY
Tragedy of the great Pennsylvania coal strike. New York, 1902. 24p.
976. GEORGE, JOHN E.
The coal miners' strike of 1897. *Quarterly Journal of Economics* 12: 186-208 1898.
977. GEORGE, JOHN E.
Settlement in the coal mining industry. *Quarterly Journal of Economics* 12: 447-60 1898.
978. GLASSER, CARIE
Union wage policy in bituminous coal. *Industrial & Labor Relations Review* 1: 609-23 1948.
979. GLEASON, ARTHUR
Company-owned Americans. *Nation* 110: 794-95 1920.
Life in the southern West Virginia coal fields is controlled by the companies.
980. GLEASON, ARTHUR
Private ownership of public officials. *Nation* 110: 724-25 1920.
Control of public officials by coal operators in the southern West Virginia coal fields.
981. GLUCK, ELSIE
John Mitchell, miner. New York: John Day, 1929. 270p.
(Reprinted by AMS Press in 1971).
982. COMPERS, SAMUEL
Core of the miners' strike. *American Federationist* 27: 57-60 1920.

983. GOMPERS, SAMUEL
President Gompers on labor, the courts and the law. Washington: AFL, 1921. 72p.
"Being the testimony of Mr. Gompers before the United States Senate Committee on Manufacturing in its hearings on production and profits in coal."
984. GOMPERS, SAMUEL
Strikes and the coal miners. *Forum* 24: 27-33 1897.
- 984a. GOWASKIE, JOSEPH M.
From conflict to cooperation: John Mitchell and bituminous coal operators, 1898-1908. *Historian* 38: 669-88 1976.
- 984b. GOWASKIE, JOSEPH M.
John Mitchell: a study in leadership. Dissertation. Catholic University of America, 1968. 381p.
985. GRAUMAN, LAWRENCE
That little ugly running sore (Kentucky coal fields, 1931-32). *Filson Club History Quarterly* 36: 340-54 1962.
"Some observations on the participation of American writers in the investigations of conditions in the Harlan and Bell County, Kentucky, coal fields in 1931-32."
986. GRAY, GEORGE
Arbitration as a factor in the mining industry. American Mining Congress. *Proceedings* 11 pt. 2: 230-34 1908.
987. THE GREAT COAL STRIKE AND ITS LESSONS
Arena 29: 1-25 1903.
988. GREEN, WILLIAM
Does the U. S. want a labor dictator? *Readers Digest* D 1937 104-7.
Attack on John L. Lewis.
989. GREEN, WILLIAM
Mr. Green's reply to the miners. *American Federationist* 45: 249-57 1938.
Letter to Thomas Kennedy. UMWA Secretary-Treasurer, concerning the UMWA's demand that Green resign.
990. GREENBAUM, FRED
A "new deal" for the bituminous coal miners; the United Mine Workers of America and national labor relations Policy, 1933-1941. Thesis. University of Wisconsin. 1953.

991. GREENSLADE, RUSH V.
The economic effects of collective bargaining in bituminous coal mining. Dissertation. University of Chicago. 1952.
992. GROGAN, DENNIS S.
Unionization in Boulder and Weld counties to 1890. *Colorado Magazine* 44: 324-41 1967.
History of the growth of union in the coal fields, which began about 1870.
993. GRONER, ISAAC N.
John L. Lewis; a study in the dynamics of unionism. Thesis. New York University. 1942.
994. GROSSMAN, JONATHAN
The coal strike of 1902—turning point in U.S. policy. *Monthly Labor Review* Oct 1975 21-28.
Federal intervention in the strike “set a precedent for the Federal Government to intervene in labor disputes, not as strikebreaker but as a representative of the public interest.”
995. GROSSMAN, JONATHAN
The great coal strike of 1902. *Worklife* Jl 1976 28-32.
996. GUNDLACK, DORIS
Wages, employment, and unionism in the bituminous coal mining industry of the United States from 1929 to 1933. Thesis. University of Illinois. 1934.
997. GUTMAN, HERBERT G.
Black coal miners and the Greenbank-Labor party in Redeemer Alabama 1878-1879 *Labor History* 10: 506-35 1969.
“These are selected and edited letters written by black and white coal miners in 1878 and 1879 to the *National Labor Tribune* in Pittsburgh.
998. GUTMAN, HERBERT G.
The Braidwood Lockout of 1874. Illinois State Historical Society. *Journal* 53: 5-28 1960.
Early labor problems in the Illinois coal fields.
999. GUTMAN, HERBERT G.
The Buena Vista affair. *Pennsylvania Magazine of History and Biography* 88: 251-93 1964.
Account of the first major use of Italian laborers as strikebreakers in the bituminous coal fields. Location of the trouble was southeast of Pittsburgh.

1000. GUTMAN, HERBERT G.
Two lockouts in Pennsylvania, 1873-1874. *Pennsylvania Magazine of History and Biography* 83: 307-26 1959.
Labor struggles in the Johnstown and Tioga County areas.
1001. GUYER, JOHN P.
Pennsylvania Cossacks and the state's police. Reading: People's Publishing Co., 1923. 96p.
1002. HAAS, ERIC
John L. Lewis exposed. New York: Labor News Co., 1937. 69p.
1003. HACKAMACK, LAWRENCE C.
Cooperation-conflict in labor-management relations; a study of contrasting cases (women's garment industry and bituminous coal industry). Dissertation. State University of Iowa. 1956.
1004. HALL, BETTY S.
The role of rhetoric in the northern West Virginia activities of the United Mine Workers, 1897-1927. Thesis. West Virginia University. 1955. 279p.
- 1004a. HALL, BOB
We had a victory. *Southern Exposure* 4: 118-24 1976.
Interviews with participants in the Brookside strike.
1005. HANFORD, BEN
The labor war in Colorado. New York: Socialist Cooperative Publishing Assoc., 1904. 48p.
1006. HAPGOOD, POWERS
In non-union mines: the diary of a coal digger in central Pennsylvania, August-September 1921. New York: Bureau of Industrial Research, 1922. 48p.
1007. HARD, WILLIAM
Class policy in coal. *New Republic* 20: 352-55 1919.
"The injunction against the miners. . . is our historic declaration of the class war at home."
1008. HARD, WILLIAM AND PAUL R. LEACH
Labor in a basic industry, studies in coal production—effects of the miner's environment upon his mode of thought. Chicago: Chicago Daily News, 1920. 34p.

1009. HARDMAN, J. B. S.
John L. Lewis, labor leader and man: an interpretation.
Labor History 2: 3-29 1961.
1010. HARGER, CHARLES M.
Kansas's volunteer coal-digging army. *Outlook* 123: 538-39 1919.

Volunteers dug coal after a strike threatened to cut off the fuel supply.
1011. HARRIS, FRED
Burning up people to make electricity. *Atlantic* J1 1974 29-36.

Account of conditions, especially labor relations, in Harlan County, Kentucky.
1012. HARRIS, HERBERT
Labor in America (the United Mine Workers). *Current History* N 1937 75-83; D 1937 66-74.
1013. HARRIS, SHELDON H.
Letters from West Virginia; management's version of the 1902 coal strike. *Labor History* 10: 228-240 1969.

Letters to Abram S. Hewitt, owner of West Virginia Mines, from his field agent, William N. Page, and other related correspondence.
1014. HARRISON, S. M. AND P. U. KELLOG
Westmoreland strike. *Survey* 25: 345-66 1910.

Labor disputes in the coal fields of Westmoreland County, Pennsylvania.
1015. HARVEY, KATHERINE A.
The Knights of Labor in the Maryland coal fields, 1878-1882. *Labor History* 10: 555-83 1969.

After a brief success, the Knights of Labor were destroyed as an effective force in Maryland by the strike of 1882.
- 1015a. HECKER, DAVID B.
Internal politics splits Mine Workers convention. *MLR* Jan 1977 58-61.
1016. HENRY, PATRICIA A.
The attempts of John L. Lewis to stabilize the coal industry. Thesis. University of Wyoming. 1958.

1017. HERLIHY, ANN
Work stoppages, bituminous coal mining industry. Washington: GPO, 1955. 18p. (Bureau of Labor Statistics. BLS Report 95).
1018. HERLING, JOHN
Building a militant mine union. *World Tomorrow* 16: 162-63 1933.
The Progressive Miners of America.
1019. HERRINGTON, FRED
Conditions in the coal mines of Colorado. Washington: GPO, 1914. 81p.
"Brief of the coal mining operators."
1020. HEVENER, JOHN W.
A new deal for Harlan; the Roosevelt labor policies in a Kentucky coal field, 1933-1939. Dissertation. Ohio State University. 1971. 351p.
1021. HICKEN, VICTOR
The Virden and Pana mine wars of 1898. Illinois State Historical Society. *Journal* 52: 263-78 1959.
Account of some of the clashes "between coal feudalism and the rising labor movement in Illinois."
1022. HILDEBRAND, JOHN K.
The disunited mine workers. *International Socialist Review* 12: 759-61 1911/12.
Most of the UMWA members are "considerably worse off" than before they joined.
1023. HILL, JOSEPH (PSEUD.)
In the wake of John L. Lewis, *Commonweal* J1 11, 1969 430-31.
Attack on the UMWA and its collusion with the industry.
1024. HINDS, ROY W.
The last stand of the open shop. *Coal Age* 18: 1037-40 1920.
Account of labor unrest in Mingo County, West Virginia and Pike County, Kentucky.
1025. HINRICHS, ALBERT F.
United Mine Workers of America and the non-union coal fields. New York: Columbia, 1923. 194p. (Columbia University. Studies in History, Economics and Public Law 246).

1026. HOERR, J.
Coal and the mine workers. *Atlantic Mr* 1974 10-11+.
Consideration of the impact of the democratization of the UMWA on the miners and on the national economy.
1027. HOLBROOK, STEWART H.
The Rocky Mountain revolution. New York: Holt, 1956. 318p.
Albert Horsley and the International Union of Mine, Mill & Smelter Workers.
1028. HOLLOWAY, RICHARD B.
The labor problem in the coal mining industry of Kansas. Thesis. University of Kansas. 1920.
1029. HOLMES, CHARLES
Colorado plays the red game. *Technical World Magazine* 21: 648-53 1914.
Account of the violence surrounding the "Ludlow Massacre."
1030. HOLT, HOMER A.
Message to the miners of West Virginia. Charleston, 1939? 79p.
A general attack by the Governor of West Virginia on the leadership of the UMWA.
1031. HOLWERK, DAVID
Dusty death in Kentucky. *Nation* 211: 657-9 D 21. 1970
Despite the new health and safety law, conditions in the mines remain bad. In the face of the failure of the UMWA to lead the miners, grass-roots groups are organizing.
1032. HOTCHKISS, WILLARD E.
Management leadership in industrial relations. *Ann. Amer. Acad.* 111: 108-14 1924.
Management in coal mining has little interest and less training in industrial relations.
1033. HUDSON, HARRIET D.
The progressive Mine Workers of America; a study in rival unionism. Urbana: University of Illinois, 1952. 152p. (Bureau of Economic and Business Research. Bulletin 73).
1034. HUGHES, FRANCIS W.
Commonwealth versus Patrick Hester, Patrick Tully, and Peter McHugh. Philadelphia, 1877. 114p.
Trials for murder arising from labor troubles in the anthracite fields.

1035. HUGHES, MARY M.
United Mine Workers of America as a social control.
Ph.D. University of Pittsburgh. 1937. 150p.
1036. HUMBLE JOHN
Time My 15, 1939 18-19.
John L. Lewis and the 1939 coal strike.
1037. HUME, BRIT
Death and the mines; rebellion and murder in the United Mine Workers. New York: Grossman Publishers, 1971. 280p.
An expose of the corruption of the leadership of the United Mine Workers of America.
1038. HUTSON, ANDREW C.
The coal miners' insurrections of 1891 in Anderson County, Tennessee. East Tennessee Historical Society. *Publication* 7: 103-21 1935.
1039. HUTSON, ANDREW C.
The overthrow of the convict lease system in Tennessee. East Tennessee Historical Society. *Publication* 8: 82-103 1936.
Free labor resorted to violence to force the abolition of the "un-fair competition" of convict coal miners.
1040. ICKES, HAROLD L.
Crisis in coal. *Colliers*. S 4, 1943 17, 56-8.
The 1943 strike.
1041. ILLINOIS COAL OPERATORS ASSOCIATION
Statement, brief and exhibits on behalf of the Coal Operators Association of Illinois. n.p., 1928. 55p.
Submitted to the Illinois Joint Wage Commission.
1042. ILLINOIS COAL OPERATORS ASSOCIATION
Union mine labor in Illinois and the determination of wage scales and working conditions. n.p., 1923. 85p.
"Submitted to the United States Coal Commission by the Illinois coal operators."
1043. ILLINOIS MINING QUESTIONS
Black Diamond 6: 812, 844-45 1890/91.
"Reply of the coal miners to the protest and argument of the coal operators of Illinois against adverse legislation."

1044. ILLINOIS, SPECIAL COMMISSIONERS TO INVESTIGATE THE COAL MINER'S STRIKE AND LOCK-OUT
Report. Springfield, 1889. 30p.
1045. INDUSTRIAL WORKERS OF THE WORLD
Coal mine workers and their industry. Chicago, 1922. 108p.
1046. INDUSTRIAL WORKERS OF THE WORLD
Coal mines and coal miners. Chicago, 1922. 109p.
1047. INTERNATIONAL LABOR LEAGUE
The battle of Virden, Illinois. Chicago. [1899]. 28p.
1048. ITES, ALFRED
A presidential make-believe and a sinister precedent contained in the method of the hard coal strike settlement. Washington: Neale Publishing Co., 1904. 38p.
1049. ITTER, WILLIAM A.
Early labor troubles in the Schuylkill anthracite district. *Pennsylvania History* 1: 28-37 1934.
Covers the period 1825-1860.
1050. JENSEN, BILLIE BARNES
Woodrow Wilson's intervention in the coal strike of 1914. *Labor History* 15: 63-77 1974.
Account of the circumstances surrounding Wilson's reluctant decision to send troops to the area around Ludlow. Colorado during the strike.
1051. JENSEN, RICHARD J.
Rebellion in the United Mine Workers: the Miners for Democracy, 1970-1972. Dissertation. Indiana University. 1972. 183p.
1052. JOHN L. AND AFTER
Fortune N 1954 73-4.
Speculations as to the fate of the UMW after the death of Lewis.
1053. JOHN L. LEWIS, BUSINESSMAN
U. S. News Je 29, 1956, 58-60.
Account of the UMWA's "huge business empire."

1054. JOHNSON, ELIZABETH S.
The coal miner and his family in strike times of 1931. *Labor & Industry* N 1931 3-26.
1055. JOHNSON, JAMES P.
Theories of labor union development and the United Mine Workers, 1932-33. Kentucky Historical Society. *Register* 73: 150-70 1975.

Arthur considers the factors which made it possible for the UMWA to quadruple its membership in less than a year.
1056. JOINT CONFERENCE OF COAL OPERATORS AND COAL MINERS
Proceedings of informal and formal conferences. April 5-6, April 12-17, 1917. n.p.; 1917.
1057. JOINT CONFERENCE OF COAL OPERATORS AND COAL MINERS
Proceedings of joint conference of coal operators and coal miners of western Pennsylvania, Ohio and Indiana. January 25 to February 2, and March 20 to 29, 1906. [Joliet, Ill.] 1906. 272p.

A stenographic report of the proceedings.
1058. JONES, DAVID R.
The mining conflict: being an exposition of the grievances of the miners. Pittsburgh: Thomas, 1880. 74p.
1059. JONES, MARY H.
Autobiography of Mother Jones. Chicago: C. H. Kerr, 1925. 242p. (Reprinted by Arno, 1969).
1060. JONES, MARY H.
Coal miners of the Old Dominion. *International Socialist Review* 2: 575-78 1901/2.
1061. JONES, MARY H.
Thoughts of Mother Jones; compiled from her writings and speeches. Edited by Jim Axelrod. Huntington, W. Va.: Appalachian Movement Press, 1973. 12p.
1062. JUSTI, HERMAN
The coal mine operator versus the public. Chicago: Illinois Coal Operators Association, [1904]. 23p.

Address with similar title appeared in *Mines & Minerals* 25: 195-99 1904/5.

1063. JUSTI, HERMAN
Counciliation and arbitration in the coal mining industry. Chicago, [1902]. 40p.
1064. KANAREK, HAROLD K.
Disaster for hard coal: the anthracite strike of 1925-1926. *Labor History* 15: 44-62 1974.
"Oil, gas and electricity, because of their greater efficiency, eventually would have usurped the hard coal market. However, the 1925-1926 strike allowed the new fuels to win by default."
1065. KANAREK, HAROLD K.
The Pennsylvania anthracite strike of 1922. *Pennsylvania Magazine of History and Biography* 99: 207-25 1975.
Both operators and miners suffered much and gained nothing as a result of the strike. "The anthracite strike of 1922 was a major step in a chronicle of industrial failure"
1066. KANAREK, HAROLD K.
Progressivism in crisis: the United Mine Workers and the anthracite coal industry during the 1920's. Dissertation. University of Virginia. 1972. 321p.
1067. KANAWHA LABOR AGREEMENT
Coal Age 6: 188-90 1914.
Text of the agreement ending the long strike in the Kanawha (West Virginia) field.
1068. KARSH, BERNARD AND JACK LONDON
The coal miners: a study of union control. *Quarterly Journal of Economics* 68: 415-36 1954.
1069. KEELY, JOSIAH
The psychology of strikes at coal mines. *Coal Age* 8: 294-96 1915.
1070. KEHOE, JOHN, DEFENDANT
Report of the case of the Commonwealth vs. John Kehoe et al, members of the Ancient Order of Hibernians, commonly known as Molly Maguires. Pottsville, Pennsylvania. 1876. 262p.
1071. KENNEDY, THOMAS F.
Class war in the coal fields. *International Socialist Review* 11: 141-48 1910/11.
Account of the Irwin, Pennsylvania strike.

1072. KENNEDY, THOMAS F.
The Irwin coal strike. *International Socialist Review* 11: 99-103 1910/11.

Strike was in the Westmoreland County, Pennsylvania coal fields.
1073. KENT, RAYMOND P.
Labor issues in the captive bituminous coal mines. Thesis. University of Pittsburgh. 1934.
1074. KILLEEN, JOHN F.
Coal industry—the leader. *Social Order* 11: 23-28 1961.

Author lauds the introduction of the Vocational Group concept into the coal industry's labor-management relationship.
1075. KING, F. A.
Check-off system and the closed shop among the United Mine Workers. *Quarterly Journal of Economics* 25: 730-41 1911.
1076. KING, LAWRENCE T.
Peace in the mines. *Commonweal* 65: 506-9 1957.
1077. KIRBY, RICHARD M.
The wage policy of the United Mine Workers of America. Dissertation. Harvard. 1943.
1078. KIRCHWAY, FRED A.
Miners' wives in the coal strike. *Century* 105: 83-90 N 1922.

"If the miners are slaves of coal, the women are slaves of slaves."
Study made in the West Virginia coal fields.
1079. KLOCK, JOSEPH J. AND DORIS PALZER
Democracy in the UMW?. *Labor Law Journal* 25: 625-31 1974.
1080. KRAFFT, FRED A.
Possibilities of an industrial relations program in the coal industry. West Virginia Coal mining Institute. *Proceedings* 1935 40-57.
1081. LABOR AND THE N. R. A.
New Republic 77: 282 1934.

The United Anthracite Miners of Pennsylvania.

1082. LACEY, JOHN W.
Attitudes of coal miners toward their union. Thesis. West Virginia University. 1962. 90p.
1083. LANE, JOHN Q. AND S. W. PETITT
Arguments before the investigating committee of the Pennsylvania Legislature, July 28-31, 1875, showing the illegality and criminal conspiracy of the anthracite monopoly. Philadelphia: Zeising, 1875. 94p.
1084. LANE, WINTHROP D.
Civil war in West Virginia; a story of the industrial conflict in the coal mines. New York: Huebach, 1921. 128p. (On cover: The Freeman Pamphlets).
1085. LANE, WINTHROP D.
The denial of civil liberties in the coal fields. New York. 1924. 44p.
1086. LANE, WINTHROP D.
Labor spy in West Virginia. *Survey* 47: 110-12 1921.
C. E. Lively, a Baldwin Felts agent, was the spy.
1087. LANGDON, EMMA F.
The Cripple Creek strike; a history of industrial wars in Colorado, 1903-4-5. Denver: Great Western, 1904-5. 463p. (Reprinted by Arno, 1969).
1088. LANGDON, EMMA F.
Labor's greatest conflict. Denver: Great Western, 1908. 167p.
1089. LASLETT, JOHN H. M.
End of an alliance: selected correspondence between Socialist Party Secretary Adolph Germer and UMW of A leaders in World War One. *Labor History* 12: 570-95 1971.
1090. LATEST PHASE OF THE COAL TROUBLES
Nation 12: 254-56 1871.
Railroads are blamed for preventing labor agreement in the Pennsylvania anthracite fields.
1091. LAUCK, REX (EDIT.)
John L. Lewis and the International Union, United Mine Workers of America: the story from 1917 to 1952. Washington: UMWA, 1952. 255p.

1092. LEAMER, LAURENCE
United Mine Workers holds an election. *New York Times Magazine* N 26, 1972 40-1+.

"This is a race not only between two men, two states, but between two views on how workers in a democratic society can govern themselves."
1093. LEE, HOWARD B.
Bloodletting in Appalachia. Morgantown: West Virginia University Library, 1969. 216p.

A first-hand account of the Cabin Creek, Paint Creek, Tug Valley, Logan and other famous mine wars in West Virginia, written by a former state attorney general.
1094. LEEDS, JOSEPH
The miners called her mother. *Masses & Mainstream* Mr. 1950 38-50.

Account of the life and activities of Mother (Mary H.) Jones.
1095. LEHIGH COAL AND NAVIGATION COMPANY
Answer of the Lehigh Coal and Navigation Company. Philadelphia, [1902]. 32p.

In reply to the Anthracite Coal Strike Commission.
1096. LEISERSON, WILLIAM M.
Labor conditions in the mines of the Pittsburgh district. *Ann. Amer. Acad.* 33: 316-25 1909.
1097. LEWIS, ARTHUR H.
Lament for the Molly Maguires. New York: Harcourt, Brace, 1964. 308p.
1098. LEWIS, ARTHUR H.
Murder by contract. New York: Macmillan, 1975. 323p.

Account of the murder of Joseph Yablonski, the investigation and the trial and conviction of W. A. (Tony) Boyle.
1099. LEWIS, JOHN L.
Anthracite coal facts. *American Federationist* 32: 1008-16 1925.
1100. LEWIS, JOHN L.
The anthracite controversy: an address by John L. Lewis, international president United Mine Workers of America at the Altamont Hotel, Hazelton, Pennsylvania, August 25th, 1925. Washington: American Federation of Labor. 1925. 12p.

1101. LEWIS, JOHN L.
Guests at labor's table [speech]. *Vital Speeches* 3: 731-3
1937.
1102. LEWIS, JOHN L. AND J. B. WARRINER
A half century of successful labor-management relations,
1903-1953. [Hazleton, Pennsylvania?]: Anthracite Board of
Conciliation, 1953. 24p.
Addresses . . . at 50th anniversary dinner, Anthracite Board of Con-
ciliation, Oct 1, 1953.
1103. LEWIS, JOHN L.
Jobs, peace, unity. Washington, 1940. 16p. (CIO Publica-
tion No. 40).
1104. LEWIS, JOHN L.
Labor and the National Recovery Administration. *Ann.*
Amer. Acad. 172: 58-63 1934.
1105. LEWIS, JOHN L.
The little NRA. *American Labor Legislation Review* 25:
133-35 1935.
Article supporting the Bituminous Coal Stabilization Act.
1106. LEWIS, JOHN L.
Miners' achievement. *American Federationist* 29: 645-46
1922.
"The United Mine Workers have fought and won the industrial
struggle of the age."
1107. LEWIS, JOHN L.
The miners' fight for American standards. Indianapolis:
Bell, 1925. 189p.
1108. LEWIS, JOHN L.
Miners' service to all labor. *American Federationist* 29:
740-41 1922.
1109. LEWIS, JOHN L.
More machines, fewer men, a union that's happy about it.
U. S. News N 9, 1959 60-64.
An interview with Lewis concerning the UMWA's attitude toward
automation.
1110. LEWIS, JOHN L.
Proposed NLRA amendments. *Fortune* Ap 1939 76.

1111. LEWIS, JOHN L.
Should the Wagner collective bargaining proposal be adopted *Congressional Digest* 14: 119-23 1935.
1112. LEWIS, JOHN L.
Testimony of John L. Lewis before the House of Representatives Committee on Education and Labor, April 3, 1947. . . Washington: Labor's Non-Partisan League, 1947. 128p.
1113. LEWIS, JOHN L.
A union's non-union line. *Nation* 120: 287 1925.

An attack on Warren S. Stone and the Brotherhood of Locomotive Engineers for refusing to employ union miners at the Coal Run Collieries, owned by the Brotherhood.
1114. LEWIS, JOHN L.
United Mine Workers demands [address Mr. 12, 1946]. *Reference Shelf* 19 No. 4 180-95 1946.

The 1946 strike.
1115. LEWIS, JOHN L.
United Mine Workers of America. *American Federationist* 38: 1211-18 1931.
1116. LEWIS, JOHN L.
What democracy means to me. *Scholastic* My 21, 1938. p33.
1117. LEWIS, THOMAS L.
Arbitration as factor in the mining industry. American Mining Congress. *Proceedings* 11 pt. 2: 235-38 1908.
1118. LEWIS, THOMAS L.
Settlement of disputes among the mine workers. *Ann. Amer. Acad.* 36: 333-39 1910.
1119. LILIENTHAL, DAISY M.
The meaning of unionism; a study of the perspectives of members of the plumber's union, of the United Mine Workers, and of the United Automobile Workers of America. Thesis. University of Chicago. 1956.
1120. LINTON, RON M.
Kentucky's tragic strike. *Nation* 188: 471-73 1959.

1121. LLOYD, HENRY D.
A strike of millionaires against miners; or, the story of Spring Valley. 2nd ed. Chicago: Belford-Clarks, 1890. 299p.

Labor troubles in the Illinois coal fields.
1122. LOAF, T.
Der Kampf der Kohlenarbeiter in den Vereinigten Staaten von Nordamerika. Hamburg: Verlag der Kommunistischen Internationale, 1922. 68p.
1123. LOGAN, SAMUEL C.
A city's danger and defense; or issues and results of the strikes of 1877. Scranton, Pennsylvania, 1877. 355p.
- 1123a. LONG, PRISCILLA
Mother Jones, woman organizer. Cambridge, Mass.: Red Sun Press, 1976. 40p.

Emphasis is on "her relations with miners' wives, working women, and the suffrage movement."
1124. LOWITT, RICHARD (EDIT.)
Frostburg, 1882: German strikers vs. German strikebreakers. Society for the History of Germans in Maryland. Report 28: 72-79 1953.

The dispute between the Knights of Labor and the Consolidation Coal Co.
1125. LUCY, ERNEST W.
The Molly Maguires of Pennsylvania, or Ireland in America. London: G. Bell, 1882. 152p.
- 1125a. LUNDSTROM, MEG
Ludlow revisited. *Mountain Gazette* 47: 20-23 1976.
1126. LYNCH, LAWRENCE R.
The West Virginia coal strike. *Political Science Quarterly* 29: 626-63 1914.
1127. MC CABE, JAMES D. (EDWARD W. MORTON, PSEUD.)
The history of the great riots. Being a full and authentic account of the strikes and riots on the various railroads of the United States and in the mining regions. Philadelphia: National Publishing Co., 1877. 516p.

1128. MC CARTHY, JUSTIN
Brief history of the United Mine Workers of America.
Washington: UMW Journal, 1956. 18p.
1129. MC CLURG, DONALD J.
The Colorado coal strike of 1927; tactical leadership of the
IWW. *Labor History* 4 68-92 1962/63.
1130. MC CONAGHA, WILLIAM A.
The history and progress of the United Mine Workers of
America. Dissertation. University of Illinois. 1925. 153p.
1131. MC CONNELL, GEORGE W.
"We demand"; anthracite and the high cost of cheap labor.
World's Work 31: 645-51; 32: 85-96 1916.
1132. MC CORMICK, KYLE
The National Guard of West Virginia during the strike
period of 1912-1913. *West Virginia History* 22: 34-35 1960.
1133. MC CORMICK, KYLE
The New-Kanawha River and the mine war of West Vir-
ginia. Charleston: Matthews Printing Co., 1959. 176p.
1134. MC DONALD, DAVID J. AND EDWARD A. LYNCH
Coal and unionism; a history of the American coal miners'
unions. Silver Spring, Md., and Indianapolis, Ind., Corne-
lius Press, 1939. 226p.
1135. MC DOWELL RECORDER, WELCH, W. VA.
Life and history of 'Mother' Jones, the most sensational
agitator of the Twentieth century. Welch, 1915. 8p.

Report published in the McDowell Recorder in December 1912 and
not. at the time of this reprint, contradicted by Mother Jones and
her followers. (According to the foreword). A bitter attack on
Jones and her methods.
1136. MC GOLDRICK, JOSEPH
College students and Kentucky miners. *American Scholar*
1: 363-5, 1932.

The expulsion of "invading" students by the authorities of east Ken-
tucky mining counties.
1137. MC GOVERN, GEORGE S. AND LEONARD F. GUTTRIDGE
The great coalfield war. Boston: Houghton Mifflin, 1972.
383p.

Account of the Colorado coal strike of 1913/14.

1138. MAHANY, ROWLAND B.
The slaughter of unarmed miners at Lattimer, Pennsylvania. Washington: GPO, 1898. 6p.
1139. MAILLY, WILLIAM
The anthracite coal strike. *International Socialist Review* 3: 79-85 1902/3.
1140. MARBLE, SAMUEL W.
Justice and coal. *Christian Century* 45: 77-79 1928.
The Colorado coal strike of 1927-1928. For a sharp reply to the above see p149 of the same volume.
1141. MARCUS, IRWIN M.
Labor discontent in Tioga County, Pennsylvania 1865-1905: the Gutman thesis, a test case. *Labor History* 14: 414-22 1973.
1142. MARLEY, HAROLD P.
Cowbells shall not ring tonight. *Survey Graphic* 24: 385-87 1935.
Account of labor trouble in the Kentucky coal fields. Men unpopular with the miners were "belled" and driven from the area.
1143. MARSHALL, ELIOT
Bloody Harlan revisited. *New Republic* Je 8, 1974 14-16.
Account of the strike at the Brookside mine of the Eastover Mining Co.
1144. MARTIN, JOHN B.
What the miners say about John L. Lewis. *Sat. Eve. Post* Ja 15, 1949 26-7.
1145. MARY EVANGELA, SISTER
Bishop Spauldings's work on the Anthracite Coal Strike Commission. *Catholic Historical Review* 28: 184-205 1942.
1146. MATHEWS, WILLIAM G.
Martial law in West Virginia, an address . . . Washington: GPO, 1913. 21p. (63rd Congress, 1st Session. Senate Document 230).
1147. MATTHIESSEN, F. O.
New Mexican workers' case. *New Republic* 82: 361-63 1935.
The Gallup, New Mexico affair.

1148. MAUER, M. AND C. F. SENNING
Billy Mitchell, the Air Service, and the Mingo War. *West Virginia History* 30: 339-50 1968/69.
U. S. Army Air Service planes were used for reconnaissance purposes in the 1921 strike in the southern West Virginia coal fields.
1149. MAURER, CHARLES E.
The bituminous coal industry of the central states. American Mining Congress. *Proceedings* 25: 93-98 1922.
Deals largely with labor relations.
1150. MENEFEE, SELDON C.
Why they follow John L. Lewis. *Nation* 156: 477-9 1943.
1943 strike.
1151. MERRICK, MARY A. (SISTER)
A case in practical democracy; settlement of the anthracite coal strike of 1902. Notre Dame, Ind., 1942. 86p. (Ph. D. Notre Dame University).
1152. MERRITT, WALTER G.
Coronada Coal Company vs. United Mine Workers; an analysis of the decision of the United States Supreme Court. New York: League of Industrial Rights, 1922. 6p.
1153. MERRITT, WALTER G.
Issues in the anthracite strike of 1925. Philadelphia: Anthracite Operators' Conference, 1925. 19p.
1154. MICHELSON, M.
Feudalism and civil war in the United States. *Everybody's Magazine* 28: 615-28 1913.
Description of labor troubles in the coal fields of the Paint Creek (West Virginia) area.
1155. MIKEAL, JUDITH E.
Mother Mary Jones: the labor movement's impious Joan of Arc. Thesis. University of North Carolina, 1965. 189p.
1156. MILLER, GLENN W.
Recent struggles among the coal miners' organizations in bituminous fields. Thesis. University of Illinois. 1935.
1157. MILLER, RICE
Some problems in labor relations in the coal industry as viewed by operators. *Ann. Amer. Acad.* 111: 115-19 1924.

1158. MILLER, STANLEY
The United Mine Workers, a study of how trade union policy relates to technological change. Dissertation. University of Wisconsin, 1957. 215p.
1159. MILLET, PHILIPPE
Trial in a coal mine. *Outlook* 89: 296-301 1908.
Account of an arbitration meeting in the Illinois coal field.
1160. MILLS, C. WRIGHT
Case for the coal miner. *New Republic* 108: 695-8 1943.
1943 strike.
1161. MILLS, TED
Altering the social structure in coal mining. *Monthly Labor Review* Oct 1976 3-10.
"An underground experiment using autonomous work groups showed increased production, motivation and safety, but increased discontent among other workers at the mine".
1162. MINERS' MAVERICK
Time Feb. 24, 1975 39-40.
Report on the new face of the *UMW Journal* under Don Stillman, editor.
1163. MINERS' MEETING; TROUBLES WITHIN
Newsweek F 7, 1938 p32-4.
Internal problems of UMWA.
1164. MINERS' SHOWDOWN FOR INDUSTRIAL & UNION DEMOCRACY
Peoples Appalachia Winter 1972-73.
Entire issue dedicated to "Regional Workers' Movement, and particularly the broader international miners' campaign."
1165. MITCHELL, JOHN
The coal strike. *McClures* 20: 219-24 1902/3.
1166. MITCHELL, JOHN
The great coal strike. *Independent* 52: 2613-16 1900.
1167. MITCHELL, JOHN
Mine worker's life and aims. *Cosmopolitan* 31: 622-30 1901.

1168. MITCHELL, JOHN
Organized labor; its problems, purposes and ideals. Philadelphia: American Book and Bible House, 1903. 436p.
1169. MITCHELL, JOHN
Recognition of trade union. *Independent* 53: 1895-98 1901.
1170. MITCHELL, JOHN
The wage earner and his problems. Washington: P. S. Risdale. 1913. 186p.
1171. MORONY, IVES GUY
Attitude of coal miners toward union and coal industry. Thesis. West Virginia University. 1959. 52p.
Study made in Northern West Virginia.
1172. MORROW, FELIX
Roosevelt and labor after the third coal strike. *Fourth International* 4: 202-6 1943.
1173. MOSES, HARRY M.
The facts about the United Mine Workers' false case to extract a royalty on coal. Washington, 1946. 6p.
1174. MOUNTAINEERS FIGHTING FOR FREEDOM: AN INTERVIEW WITH DON WEST
Mountain Life and Work Jan. 1971. 6-13.
Describes the violence which accompanied efforts to unionize the coal workers in the 1930's.
1175. MURRAY, ELLEN P.
Why foreign miners are restless. *Coal Age* 12: 620-21 1917.
Kind words and personal interest are more important than high wages to foreign miners.
1176. MURRAY, PHILIP
The case of the anthracite coal mine workers: opening statement and closing argument . . . before the U. S. Anthracite Coal Commission. Baltimore: UMWA, 1920. 95p.
1177. MURRAY, PHILIP
The case of the West Virginia coal mine workers: Opening statement . . . Before the Committee on Education and Labor of the U. S. Senate, October, 1921. Washington: UMWA, 1921. 74p.

1178. MURRAY, PHILIP
Unemployment in the coal industry. *American Labor Legislation Review* 12: 37-40 1922.
1179. MUSTE, A. J.
The crisis in the miners' union. *Labor Age* Mr 1930 4-8.
Account of the opposition, centered in Illinois, to the control of the UMWA by John L. Lewis.
1180. MYERS, ROBERT J.
Experience of the UMWA Welfare and Retirement Fund. *Industrial and Labor Relations Review* 10: 93-100 1956.
1181. MYERS, ROBERT J.
Further experience of the UMWA Welfare and Retirement Fund. *Industrial and Labor Relations Review* 14: 556-62 1961.
1182. MYERSCOUGH, TOM
The name Lewis—John L. Pittsburgh, n.d. 39p.
Subtitle reads: Czar of the U.M.W.A./Servant of the Big Coal Interest/An Example of an A.F. of L. Leader. Myerscough was president of the National Miners Union.
1183. NADAR, RALPH
Yablonski's unfinished business. *Nation* Ja 26, 1970 70-72.
Real improvement in the UMWA will come only when the government helps rather than hinders reformers.
1184. NATIONAL COAL ASSOCIATION
The Herrin conspiracy. Washington, 1922. 38p.
1185. NATIONAL COAL ASSOCIATION
Petition of coal operators located in Division V of the code of fair competition for the bituminous coal industry, for the restoration of the eight-hour day and the privilege of working six days per week when work is available, to the National Recovery Administration. Washington, 1934. 9p. proc.
1186. NATIONAL COMMITTEE FOR THE DEFENSE OF POLITICAL PRISONERS
Harlan miners speak; report on terrorism in the Kentucky coal fields. New York. Harcourt, Brace, 1932. 348p.
The famous report by Theodore Dreiser, Anna Rochester, etc.

1187. NATIONAL SAVE THE MINERS UNION
Save the Miners Union from the coal operators and the corrupt Lewis machine. Pittsburgh, 1928. 15p.
1188. NEWCOMB, HARRY T.
Anthracite Coal Strike Commission. Philadelphia, 1903. 104p.
Argument on behalf of the Philadelphia & Reading Coal & Iron Co.
1189. NEW OPPONENT FOR LEWIS
Business Week My 20, 1950 21.
Account of the founding of the Bituminous Coal Operators Association.
1190. NEW YORK (CITY). COMMITTEE ON LABOR CONDITIONS AT THE BERWIND-WHITE COMPANY'S MINES IN SOMERSET AND OTHER COUNTIES, PENNSYLVANIA
Statement of facts and summary. New York: M. B. Brown, 1922. 35p.
1191. NICHOLLS, T. D.
Anthracite Board of Conciliation. *Ann. Am. Acad.* 36: 366-72 1910.
1192. NORTH, DAN
Muzzle not the ox. *Nation* Apr 2, 1973 421-22.
UMW under Arnold Miller is becoming involved in progressive causes such as a recent Virginia hospital strike.
1193. NORTHERN WEST VIRGINIA COAL ASSOCIATION
Classification index of labor decisions, Northern West Virginia Coal Association and District No. 31, United Mine Workers of America, from October 2, 1933 to June 1, 1948. [Fairmont, W. VA., 1948] 64p.
1194. NYDEN, PAUL J.
The coal miner's struggle in Eastern Kentucky. *Mountain Life and Work* Feb. 1972 4-11.
1195. NYDEN, PAUL
Coal miners, "their" union and capital. *Science and Society* 34: 194-223 1970.
A Marxist analysis of industry, the union, and the lives of miners and ex-miners both above and below ground.

1196. NYDEN, PAUL J.
Coal the killer. *Nation* Sept. 20, 1971 238-42.
A portrait of dissatisfied miners, their hopes and concerns, with an appeal to support them.
- 1196a. NYDEN, PAUL J.
Miners for Democracy: struggle in the coal fields. Dissertation. Columbia University, 1974. 998p.
1197. NYDEN, PAUL J.
Voting for their lives. *Nation* Feb. 15, 1971 206-10.
Account of election for the presidency of UMWA's District 5.
1198. O'BRIEN, LARRY D.
The Ohio National Guard in the coal strike of 1932. *Ohio History* 84: 127-44 1975.
1199. O'HANLON, THOMAS
Anarchy threatens the kingdom of coal. *Fortune* Ja 1971 78-82.
Examines the opposition to the leadership of the UMWA.
1200. OHIO. GENERAL ASSEMBLY. HOCKING VALLEY INVESTIGATION COMMITTEE
Proceedings. Columbus, 1885, 324p.
Committee was established "to make an investigation into and ascertain the causes of the strike in the Hocking Valley."
1201. OLDER, CORA (MRS. FREMONT)
Answering a question: martial law in West Virginia. *Colliers* Ap 19, 1913 26, 28.
Paint Creek strike.
1202. OLDER, CORA (MRS. FREMONT)
Last day of the Paint Creek court martial. *Independent* 74: 1085-88 1913.
Account of the trial of Mother Jones and others during the "mine war" in the Paint Creek (West Virginia) area.
1203. OLMSTED, HARRY
Statement of Harry Olmsted, chairman of the labor committee of the Operators' Association of Williamson field, to the Senate Investigating Committee, July 14, 1921. Washington: W. F. Roberts Co.. [1921]. 55p.

1204. ON DARK AND BLOODY GROUND; AN ORAL HISTORY OF THE UMWA IN CENTRAL APPALACHIA 1920-1935.
Charleston: Miner's Voice, 1973. 269p.
1205. OPERATORS' ASSOCIATION OF THE WILLIAMSON FIELD
Statement before the Sub-Committee of the Committee on Education and Labor of the United States Senate. n. p., 1921. 59p.

The purpose of the hearing was to "investigate conditions in the coal fields of West Virginia in the territory adjacent to Kentucky."
1206. OWENS, JOHN W.
Gunmen in West Virginia. *New Republic* 28: 90-92 1921.
1207. PALMER, FRANK L.
Solidarity in Colorado. *Nation* 126: 118-20 1928.

Account of the Colorado coal strike of 1927/28.
1208. PALMER, FRANK L.
War in Colorado. *Nation* 125: 623-4 1927.
1209. PAPANIKOLAS, HELEN Z.
Unionism, Communism and the Great Depression. *Utah Historical Quarterly* 41: 254-300 1973.

Account of the coal strike of 1933 in Carbon County, Utah.
1210. PARKER, EDWARD W.
The anthracite question: the operators' standpoint. *Current History* 24: 416-19 1926.

A reply by the Secretary of the Anthracite Operators' Conference to the article by E. J. Eberling.
1211. PARKER, EDWARD W.
Conciliation in the anthracite region. American Mining Congress. *Proceeding* 22: 309-16 1919.

Strike of 1919.
1212. PARKER, U. S.
Collective bargaining in the soft coal industry. *Journal of Political Economy* 12: 546-54 1904.
1213. PARSONS, FLOYD W.
Employment of women in mining. *Coal Age* 13: 859 1918.

Author deplores successful efforts to prevent women from being employed above ground in the Pennsylvania anthracite fields.

1214. PATTERSON, JOSEPH F.
Old W. B. A. days. Schuylkill County Historical Society.
Publiciations 2: 355-84 1909.

The Workingmen's Benevolent Association. An interesting account of
labor relations in the Pennsylvania anthracite fields.
1215. PEARSE, BEN
What has John L. Lewis done with his \$400,000,000? *Sat.*
Eve. Post Ag 30, 1952 26-7.

The Welfare and the Retirement Fund.
1216. PENNSYLVANIA. COMMISSION ON SPECIAL POLICING IN IN-
DUSTRY
Report to Governor Gifford Pinchot. Harrisburg, 1934.
31p. (Dept. of Labor & Industry. Special Bulletin 38).

Deals largely with mine police.
1217. PENNSYLVANIA. GENERAL ASSEMBLY. SENATE
Report . . . in relation to the Anthracite coal difficulties,
with accompanying testimony. Harrisburg: B. Singerly,
1871.
1218. PERRY, VERNON F.
The labor struggle at Wilder, Tennessee. Thesis. Vander-
bilt University. 1934.
1219. PETRAS, GEORGE S.
Wage policies of the United Mine Workers of America.
Thesis. New York University. 1947.
1220. PHILLIPS, CABELL
The West Virginia Mine War. *American Heritage* Ag 1974
58-61.

Account of the labor troubles in the southern West Virginia coal
fields during 1921.
1221. PHOEBUS, J. W.
Have coal operators any rights. *Black Diamond* 6: 764-65
1890/91.
1222. PINKERTON, ALLAN
The Molly Maguires and the detectives. New and enl. ed.
New York: G. W. Dillingham, 1905. 552p.

1223. PINKOWSKI, EDWARD
John Siney, the miner's martyr. Philadelphia: Sunshine Press, 1963. 335p.
Pp. 259-322 bibliographical essay and notes.
1224. PINKOWSKI, EDWARD
Lattimer massacre. Philadelphia: Sunshine Press, 1950. 40p.
The killing of striking coal miners by sheriff's deputies. Luzerne County, Pennsylvania, 1897.
1225. POLLAK, KATHERINE H.
What a union did for the coal miners. Katonah, New York: Brookwood Labor College 1931. 32p.
"A picture of life in the coal fields 35 years ago and of the changes brought through a union in such a state as Illinois."
1226. POLLARD, SPENCER D.
Some aspects of the problem of democracy in its application to the government of labor unions, with special reference to the United Mine Workers of America and the United Automobile Workers. Dissertation. Harvard 1940.
1227. PORTER, EUGENE O.
The Colorado coal strike of 1913—an interpretation. *Historian* 12: 3-27 1949.
1228. POSEY, THOMAS E.
The labor movement in West Virginia. Dissertation. University of Wisconsin. 1948. 310p.
1229. POWELL, ALLEN K.
The "foreign element" and the 1903-4 Carbon County coal miners' strike. *Utah Historical Quarterly* 43: 125-54 1975.
The Utah Fuel Co. played on antiforeign sentiments to help defeat the miners.
1230. PRIMACK, PHIL
Miners for democracy: closing in on Tony Boyle. *Nation* Je 19, 1972 786-89.
1231. PRITCHARD, PAUL W.
William B. Wilson, master workman. *Pennsylvania History* 12: 81-108 1945.
Account of Wilson's early career as a miner and union organizer in Pennsylvania.

1232. PRITCHARD, PAUL W.
William B. Wilson; the evolution of a central Pennsylvania mine union leader. Dissertation. University of Pennsylvania. 1942.
1233. PURCELL, WILLIAM J.
Study of the methods of decision used by arbitrators in fifty cases involving the United Mine Workers of America. Thesis. University of Illinois. 1950.
1234. RANDALL, JAMES G.
Miners and the law of treason. *North American Review* 216: 312-22 1922.

The West Virginia "treason trial."
1235. RASKIN, A. H.
John L. Lewis and the mine workers. *Atlantic* May 1963 53-58.

The UMWA's efforts to increase the efficiency of the coal industry have without question helped the industry survive. However, this is little comfort to thousands of unemployed miners, many of whom "fight off the union they once fought to build."
1236. RASMUSSEN, JEANNE M.
The miners: what happens now? *Mountain Life and Work* Feb 1970 3-7+.

The author, who was West Virginia press representative for Yablonski, summarizes the campaign for the presidency of the UMW and action taken following the Yablonski murders.
1237. RASMUSSEN, JEANNE M.
Revolt in the ranks, Yablonski challenges Boyle. *Appalachian Lookout* Oct 1969 5-8.

A pro-Yablonski view of the campaign waged for leadership of the United Mine Workers of America presidency.
1238. RAUSHENBUSH, HILMAR
The people's fight for coal and power. New York: League for Industrial Democracy, 1926. 36p. (League publication 13).
1239. RAUSHENBUSH, STEPHEN
Coal without strikes. *Harper* 194: 492-99 1947.

Long-term labor contracts are among the suggested reforms.
1240. READ, THOMAS L.
Is the coal crisis permanent. *Sat. Eve. Post* S 25, 1943 22, 109-10.

1241. RENEWAL OF APPALACHIAN AGREEMENT IN BITUMINOUS COAL INDUSTRY
MLR 41: 1576-80 1935.
1242. REPORT OF PRESIDENT'S COMMITTEE ON PORTAL-TO-PORTAL TRAVEL TIME IN BITUMINOUS COAL MINING
MLR 59: 81-3 1944.
1243. REYNOLDS, ROBERT J.
Coal kings come to judgment. *American Heritage* Ap 1960 54-61.
"When the anthracite miners downed tools in 1902, economic feudalism went on trial."
1244. REYNOLDS, SIM C.
Carpet bagging: its effects on mining. *Coal Age* 2: 387 1912.
Deplores the "aimless drift from employer to employer" on the part of many miners.
1245. RHODES, JAMES F.
Molly Maguires in the anthracite region of Pennsylvania. *American Historical Review* 15: 547-61 1910.
1246. RICE, MILLARD M.
Bloody Monday again in Colorado. *Independent* 119: 655-6 1927.
Brief review of the history of labor violence in the coal fields of Colorado.
1247. RIDGEWAY, JAMES
Politics mine-worker style, *New Republic* Nov. 4, 1972 15-18.
Description of 1972 UMWA election campaign.
1248. RIMLINGER, GASTON
International differences in the strike propensity of coal miners. *Industrial & Labor Relations Review* 12: 389-405 1959.
Study of the frequency of strikes in France, Germany, Great Britain and the United States.
1249. RINGER, STRAWDER A.
History of the United Mine Workers of America. Thesis. University of Pittsburgh, 1929.

1250. ROBERTS, PETER
The anthracite coal strike in its social aspects. *Economic Journal* 13: 20-29 1903.
1251. ROBINSON, NEIL
West Virginia on the brink of a labor struggle. Charleston: West Virginia Mining Association. 1912. 7p.
1252. ROCHESTER, ANNA
Labor and coal. New York: International, 1931. 225p.
1253. ROCKEFELLER, JOHN D.
The Colorado industrial plan. New York, 1916. 94p.

Includes a copy of the plan of representation and agreement adopted at the coal and iron mines of the Colorado Fuel and Iron Company.
1254. ROOD, HENRY E.
The public and the coal conflict. *North American Review* 181: 603-15 1905.

Author objects to the UMWA's lack of concern for the public interest.
1255. ROOSEVELT, FRANKLIN D.
Production of coal will not be stopped [radio address]. *Vital Speeches* 9: 450-52 1943.

1943 strike.
1256. ROTHMAN, RICHARD M.
On the speaking of John L. Lewis. *Central States Speech Journal* 14: 177-85 1963.
1257. ROUSE, ELAINE
Union economic policies and union discipline in the bituminous wage dispute of 1949-1950. Thesis. West Virginia University, 1953. 214p.
1258. ROY, ANDREW
The origin and results of miners' unions. *Ohio Mining Journal* 2: 113-20 1883/84.
1259. ST. CLAIR COAL COMPANY
Answer of the St. Clair Coal Company before the Anthracite Coal Strike Commission. Scranton, Pennsylvania, 1902. 42p.

1260. SALIERS, EARL A.
The coal miner; a study of his struggle to secure regulated wages in the Hocking Valley. Bethlehem, Pennsylvania, 1912. 65p.
1261. SAUER, NORA
Some attitudes of the United Mine Workers of America on international affairs affecting its membership. Thesis. University of Illinois. 1944.
1262. SAXON, GEORGE
From the miners' point of view. *Modern Review* 1: 409-21 1947.

"The revolt of the miner is the revolt against the atomization of the individual in production."
1263. SCHLEGEL, MARVIN W.
The Workingmen's Benevolent Association: first union of anthracite miners. *Pennsylvania History* 10: 243-67 1943.
1264. SCOTT, GEORGE H.
A study of the United Mine Workers of America Welfare and Retirement Fund. Thesis. West Virginia University, 1951. 145p.
1265. SCOTT, KARL M.
The coal industry and the coal miners' unions in the United States since the World War. Dissertation. University of Illinois, 1931.
1266. SCOTT, NELL
Social workers and labor unions. National Conference of Social Work. *Proceedings* 56: 354-64 1928.

Family case work among members of the United Mine Workers during the strike of 1927-28.
1267. SEEGER, PETE
Coal Creek rebellion. *Sing Out* Summer 1955 19-21.

Includes score of song written about the use of convict labor in the Tennessee mines, ca 1890.

1268. SELEKMAN, BENJAMIN M., AND MARY VAN KLEECK
Employees' representation in coal mines. New York: Russell Sage Foundation. 1924. 454p.
A study of the representation plan of the Colorado Fuel and Iron Co.
1269. SELEKMAN, BENJAMIN M.
Miners and murder; what lies back of the labor feud in anthracite. *Survey* 60: 150-55 1928.
1270. SELTZER, CURTIS
The unions-how much can a good man do. *Washington Monthly* Je 1974 7-24.
A sympathetic account of the progress being made by the reform leaders of the UMWA.
1271. SELVIN DAVID F.
The thundering voice of John L. Lewis. New York: Lothrop, Lee & Shepard, 1969. 224p.
Intended for young readers.
1272. SETTLEMENT OF THE CLEARFIELD STRIKE
Black Diamond 6: 183-184A 1890/91.
Includes exchange of correspondence between the union and officials of the Cresson & Clearfield Coal & Coke Company, Pennsylvania.
1273. SHALLOO, JEREMIAH P.
Private police, with special reference to Pennsylvania. Philadelphia: American Academy of Political and Social Sciences. 1933. 224p. (Monograph No. 1 of the Academy).
1274. SHANE, MICHAEL
Why coal miners strike. *Common Sense* 12: 243-46 1943.
"They suffer from the industry's poverty and slothfulness".
1275. SHERRILL, ROBERT
Black lung rebellion. *Nation* Ap 28, 1969 529-35.
Account of the efforts, opposed by UMWA leadership, of West Virginia miners to obtain compensation for black lung.
1276. SHIELDS, ART
The miners did it. *Political Affairs* Apr 1974 3-16.
"Progressive" elements have at last won control of UMWA.

1277. SINCLAIR, HAMISH
Hazard, Ky.: Document of the struggle. *Radical America*
Jan/Feb 1968 1-24.

Author presents a critical appraisal of the efforts of radical students to aid in the organization of unemployed and striking miners around Hazard, Ky. in the early sixties.
1278. SINCLAIR, WARD E.
Building a hillbillies' union: The UMW. *Race Relations Reporter* Mar 1974 14-16.

Suggests that "an Appalachian poor people's renaissance" was started by the political victories of the Black Lung Association and by the election of the miners for democracy slate in the UMW.
1279. SINCLAIR, WARD E.
Miners for democracy: year one at the UMW. *Ramparts* Je 1974 37-41.
1280. SIXTY-TWO YEARS OF UMW
Business Week Je 7, 1952 132-38.
1281. SIZER, SAMUEL A.
This is union man's country: Sebastian County 1914. *Arkansas Historical Quarterly* 27: 306-39 1968.

Account of a bitter labor dispute in the Arkansas coal fields.
1282. SLOCUM, WILLIAM J.
Love comes to the soft coal fields. *Nation's Business*. Jl 1950 27-8.

The threat of oil has brought and will enforce "love" between miner and operator.
1283. SMITH, FRANK C.
Handling labour grievances in the bituminous coal industry. *Harvard Business Review* 19: 352-63 1941.
1284. SMITH, GEORGE O.
Human relations in the coal industry. National Conference of Social Work. *Proceedings* 1922: 287-99.
1285. SOMERS, GERALD G.
Grievance settlement in coal mining. Morgantown: West Virginia University, 1956. 44p. (West Virginia University Business and Economic Studies 4: 4).

1286. SOUTHERN APPALACHIAN COAL OPERATORS' ASSOCIATION
Statement to the United States Coal Commission. n.p.,
1923. 26p.
1287. SOUTHERN EXPOSURE
East Tennessee coal mining battles. *Southern Exposure*
Winter 1974 112-59.
1288. SPERO, STERLING D. AND JACOB ARONOFF
War in the Kentucky mountains. *American Mercury* 25:
226-33 1932.
1289. SPERRY, J. R.
Rebellion within the ranks: Pennsylvania anthracite, John
L. Lewis, and the coal strike of 1943. *Pennsylvania History*
40: 298-312 1973.

Lewis "turned a rebellion, which was in fact directed against his
leadership, into a crusade for a \$2 a day wage increase".
- 1289a. SPRAGUE, STUART S.
Unionization struggles on Paint and Cabin creeks, 1912-
1913. *West Virginia History* 38: 185-213 1977.

A chapter in the story of the "mine wars" in southern West Virginia.
1290. STANG, ALAN
King coal, the Communists behind the crunch. *American*
Opinion D 1974 11-13+.

"In other words, Miners for Democracy stood ready to do whatever
it could to help the Communists. And ever since it has worked both
ways."
1291. STANLEY, LOUIS
Miners' rebellion. *Nation* 130: 356-57 1930.

A highly partisan account of the Springfield Convention of the
UMWA.
1292. STEEL, EDWARD M.
Mother Jones in the Fairmont field 1902. *Journal of Ameri-*
can History 57: 290-307 1970.

An account of the unsuccessful attempt of the UMWA to organize
the miners of West Virginia in 1902, and the crucial role played by
Mother Jones.
1293. STEFFENS, LINCOLN
John Mitchell and what he stands for. *McClures* 19: 355-
57 1902.

1294. STEIN, LEON AND PHILIP TAFT
Massacre at Ludlow: four reports. New York: Arno, 1971.
NP.
Reprint of four contemporary publications.
1295. STEVENSON, GLORIA
That's no lady, that's Mother Jones. *Worklife* July 1976 24-28.
A brief account of her life.
1296. STILLMAN, DON
The U.M.W. historic breakthrough for union democracy. *New Politics* 10 (2) 9-13 1973.
1297. STOCKING, GEORGE W.
Labor problems in the American bituminous coal industry. *Economic Journal* 37: 213-25 1927.
1298. STODDARD, C. E.
Bituminous coal strike. *MLR* 9: 1725-42 1919.
A general history of the 1919 strike. Pertinent documents are reproduced.
1299. STRAW, RICHARD A.
The United Mine Workers of America and the 1920 coal strike in Alabama. *Alabama Review* 28: 104-28 1975.
The strike was a failure and the UMWA was destroyed as an effective organization in the state.
1300. STRIKE IN THE ANTHRACITE REGION
Colliery Engineer 8: 45-46 1887.
Includes a copy of the wage demands of miners.
1301. STRIKE IN WEST VIRGINIA
Coal & Coke Jl 15, 1902 12-13; Ag 15, 1902 12-13; S 15, 1902 12-13.
1302. STRIKES IN THE HISTORY OF COAL MINING IN PENNSYLVANIA
Coal 1: 237-38, 247-48, 255, 263-65 1882.
1303. SUFFERN, ARTHUR E.
Coal miners' struggle for industrial status. New York: Macmillan, 1926. 462p.

1304. SUFFERN, ARTHUR E.
Conciliation and arbitration in the coal industry of America. Boston: Houghton Mifflin, 1915. 376p.
1305. SUGGS, G. G.
Colorado coal mine strike, 1903-1904: a prelude to Ludlow? *Journal of the West* 12: 36-52 1973.
"More than any other factor, the intransigence of the southern operators sabotaged the slim chance for industrial peace in Colorado's southern fields."
1306. SULZBERGER, C. L.
Sit down with John L. Lewis. New York: Random House, 1938. 163p.
1307. SWAIN, GEORGE T.
Facts about the two armed marches on Logan. Charleston: Ace Enterprises, 1962. 44p.
1308. SYDENSTRICKER, EDGAR
Collective bargaining in the anthracite coal industry. Washington: GPO, 1916. 171p. (Bureau of Labor Statistics. Bulletin 191).
1309. SYDENSTRICKER, EDGAR
Settlement of disputes under agreements in the anthracite industry. *Journal of Political Economy* 24: 254-83 1916.
1310. TAYLOR, PAUL F.
Coal and conflict: the UMWA in Harlan County, 1931-1939. Dissertation. University of Kentucky. 1969. 349p.
1311. TAYLOR, PAUL F.
The Coal Mine War in Harlan County, Kentucky, 1931-32. Thesis. University of Kentucky. 1955.
1312. TAYLOR, PAUL F.
London: focal point of Kentucky turbulence. *Filson Club Historical Quarterly* 49: 256-65 1975.
Many of the court trials growing out of the labor troubles in Harlan County in the 1930's were held at London.
1313. THOMPSON, CRAIG
Reign of terror at Widen, West Virginia. *Saturday Evening Post* F20, 1954 17-19.

1314. TIPPETT, THOMAS
Miners fight their leaders. *American Mercury* 32: 129-37
1934.
A bitter attack on John L. Lewis.
1315. TITLER, GEORGE J.
Hell in Harlan. Beckley, W. Va.: BJW Printers, 1972.
236p.
Account of attempts by the UMWA to organize the Harlan County
coal fields. Titler played a leading role in this effort.
1316. TOOHEY, PAT
N.R.A., martial law, "insurrection"; the miners strike in
New Mexico. New York: Workers Library, 1934. 62p.
1317. TRAIL, WILLIAM R.
History of the United Mine Workers in West Virginia,
1920-1945. Thesis. New York University. 1950. 71p.
1218. TRESTER, DELMER J.
Unionism among Ohio miners in the 19th Century. Thesis.
Ohio State University, 1947.
1319. TROUBLE IN THE COAL MINES, 1889
Documents of an incident at Newcastle, W. T. *Pacific
Northwest Quarterly* 37: 231-57 1946.
1320. TRYON, F. G.
The effect of competitive conditions on labor relations in
coal mining. *Ann. Amer. Acad.* 111: 82-95 1924.
1321. UMWA ON STRIKE, BROOKSIDE HARLAN COUNTY
Journal of Social Issues Spring 1974 3-65.
Entire issue is devoted to the strike and related matters.
1322. UNITED MINE WORKERS OF AMERICA
Attempt by communists to seize the American labor move-
ment. Prepared by the United Mine Workers of America
and published in newspapers of the United States. Wash-
ington: GPO, 1924. 43p. (68th Congress, 1st Session. Sen-
ate Document 14).
1323. UNITED MINE WORKERS OF AMERICA
The case of the bituminous coal mine workers, as present-
ed by the United Mine Workers of America to the Presi-
dent's Coal Commission, appointed December, 1919.
Washington: 1920. 78p.

1324. UNITED MINE WORKERS OF AMERICA
John L. Lewis and the international union, United Mine Workers of America; the story from 1917 to 1952. Washington, 1952. 255p.
1325. UNITED MINE WORKERS OF AMERICA
Minutes of special convention to consider the anthracite Strike, July 17, 18 and 19, 1902. Indianapolis: Hollenbeck Press, 1902. 55p.
1326. UNITED MINE WORKERS OF AMERICA
Official records—containing correspondence between the president's office and Warren S. Stone. Indianapolis, 1924. 30p.

Stone was president of the Brotherhood of Locomotive Engineers and also an official in a non-union mine.
1327. UNITED MINE WORKERS OF AMERICA
Official statement by the International Executive Board, United Mine Workers of America, in regard to the Kansas controversy. Indianapolis, 1921. 15p.
1328. UNITED MINE WORKERS OF AMERICA
Statement to the United States Coal Commission, 1923, by the anthracite representatives of the United Mine Workers of America. Washington, 1923. 32p.

Cover title: the anthracite monopoly.
1329. UNITED MINE WORKERS OF AMERICA
Statement of the United States Coal Commission on anthracite accounting and finance. Washington, 1923. 86p.

Cover title: Anthracite accounting and finance.
1330. UNITED MINE WORKERS OF AMERICA
The truth about Coal River Collieries, of which Warren S. Stone is Chairman of the Board of Directors. Indianapolis, 1925. 16p.

Stone was president of the Brotherhood of Locomotive Engineers at the time.
1331. UNITED MINE WORKERS OF AMERICA
The United Mine Workers of America and the United States Coal Commission, containing copies of the communications filed with the Commission by the miners' union. Indianapolis, 1923?. 47p.

1332. UNITED MINE WORKERS OF AMERICA
Wage agreements, bituminous coal industry, division No. 1, consisting of districts No. 2-3-4-5-6-16-17-19-24-28-30-31; together with the Code of Fair Competition and the Appalachian Agreement. Washington, 1934. 594p.
1333. UNITED MINE WORKERS OF AMERICA
Wage agreements, bituminous coal industry, 1935-1937, together with Guffey-Snyder Coal Stabilization Act and the Appalachian Agreement. Indianapolis, 1935?. 824p.
1334. UNITED MINE WORKERS OF AMERICA. DISTRICT 1. TRI-DISTRICT CONVENTION
Scale resolutions. Hazleton, Pennsylvania, 1930. 48p.
1335. UNITED MINE WORKERS OF AMERICA. DISTRICT 2
The government of coal. Clearfield, Pennsylvania. [1921]. 24p.
1336. UNITED MINE WORKERS OF AMERICA. DISTRICT 2
Why the miners' program? Clearfield, Pennsylvania, [1921]. 12p.
1337. UNITED MINE WORKERS OF AMERICA. DISTRICT 6
Proceedings of special convention. Columbus. 1906?. 103p.
1338. UNITED MINE WORKERS OF AMERICA. DISTRICT 19
Officers' report to special convention. Knoxville, Tennessee, 1919. 21p.
1339. UNITED MINE WORKERS. NATIONALIZATION RESEARCH COMMITTEE
Compulsory information in coal; a fact finding agency. Altoona, Pennsylvania, 1922. 28p.
1340. UNITED MINE WORKERS OF AMERICA. NATIONALIZATION RESEARCH COMMITTEE
How to run coal. n.p., 1922. 39p.
"Suggestions for plan of public ownership, public control, and democratic management in the coal industry."
1341. UNITED MINE WORKERS OF AMERICA. WELFARE AND RETIREMENT FUND
A Chronology of the U.M.W.A. Welfare and Retirement Fund, covering the period between 1945 and April 26, 1951. [Washington, 1951]. 31p.

1342. U. S. ANTHRACITE COAL STRIKE COMMISSION
Report to the President on the Anthracite Coal Strike of May-October 1902. Washington: GPO, 1903. 257p.
Appeared also as Bulletin 43 of the Commissioner of Labor.
1343. U. S. BUREAU OF LABOR
Report on the miners' strike in bituminous coal field in Westmoreland County, Pennsylvania, in 1910-11. Washington: GPO, 1912. 255p. (62nd Congress, 2nd Session. House Document 847).
1344. U. S. COLORADO COAL COMMISSION
Labor difficulties in the coal fields of Colorado, letter from the President of the United States, transmitting report of the Colorado Coal Commission on the labor difficulties in coal fields of Colorado during the years 1914 and 1915. Washington: GPO, 1916. 16p. (64th Cong., 1st Sess. House Doc. 859).
1345. U. S. COMMISSION ON INDUSTRIAL RELATIONS
Final Report and Testimony. Washington: the Commission, 1916. 11 volumes.
1346. U. S. COMMISSION ON INDUSTRIAL RELATIONS
Report on the Colorado Coal Strike. Washington: the Commission, 1915. 189p.
1347. U. S. COMMISSIONER OF LABOR
A report on labor disturbances in the State of Colorado, from 1880 to 1904. Washington: GPO. 1904. 365p. (58th Cong., Senate Doc. 122).
1348. U. S. CONGRESS. HOUSE. COMMISSION ON EDUCATION AND LABOR. SUBCOMMITTEE IN LABOR
Oversight hearing on Brookside mine labor-management disputes. Washington: GPO, 1974. 75p.
1349. U. S. CONGRESS. HOUSE. COMMITTEE ON LABOR TROUBLES IN PENNSYLVANIA
Labor troubles in the anthracite regions of Pennsylvania, 1887-88. Washington: GPO, 1889. 783p. (50th Cong., 2d Sess. House. Report 4147).
Concerned largely with the activities of the Reading Railroad.
1350. U. S. CONGRESS. HOUSE. COMMITTEE ON MINES AND MINING
Conditions in the coal mines of Colorado. Washington: GPO, 1914. 2913p.

1351. U. S. CONGRESS. HOUSE. COMMITTEE ON MINES AND MINING
Report on the Colorado Strike Investigation. Washington:
GPO, 1915. 53p. (63rd Congress, 3d Session. House. Doc.
1630).
1352. U. S. CONGRESS. HOUSE. SELECT COMMITTEE ON EXISTING LA-
BOR TROUBLES IN PENNSYLVANIA
Labor troubles in the anthracite regions of Pennsylvania,
1887-88. Washington: GPO, 1889. 783p. (50th Congress,
2nd Session. House. Report 4147).
1353. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LA-
BOR
Conditions in the Paint Creek district, West Virginia.
Washington: GPO, 1913. 3 vols.
1354. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LA-
BOR
Investigation of Paint Creek coal fields of West Virginia.
. . . Report. Washington: GPO, 1914. 41p. (63d Cong., 2d
Sess. Senate. Report 321).

Running title: Paint Creek coal fields of West Virginia.
1355. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LA-
BOR
Report upon the relations between labor and capital, and
testimony taken by the Committee. Washington: GPO,
1885. 4 volumes.

The "Blair Hearings". References to coal mining are scattered
throughout the testimony. Each volume is indexed.
1356. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LA-
BOR
West Virginia coal fields. Hearings . . . to investigate the
recent acts of violence in the coal fields of West Virginia
and adjacent territory and the causes which led to the con-
ditions which now exist in said territory. Washington:
GPO, 1921-22 1078p.
1357. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND WEL-
FARE
West Virginia coal fields. Personal views of Senator Ken-
yon and views of Senators Sterling, Phipps and Warren . . .
Washington: GPO, 1922. 30p. (67 Congress, 2d Session.
Senate. Report 457).

1358. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Conditions in the coal fields of Pennsylvania, West Virginia, and Ohio. Hearings before the Committee on interstate commerce, U. S. Senate. Seventieth Congress, first session, pursuant to S. Res. 105, a resolution to investigate conditions in the coal fields of Pennsylvania, West Virginia, and Ohio. . . Printed for the use of the Committee on interstate commerce. Washington: GPO, 1928. 2 volumes.
1359. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE.
Providing for the welfare of coal miners. Hearings before the Sub-committee on Mine Safety. Washington: GPO, 1952. 443p.
1360. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE.
UMW Welfare and Retirement Fund. Washington: GPO, 1971. 228p.
1361. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE. SUBCOMMITTEE ON LABOR
United Mine Workers' election, Hearings. Washington: GPO, 1971, 1972. 2 volumes.
1362. U. S. CONGRESS. SENATE. COMMITTEE ON MANUFACTURES
Conditions in coal fields in Harlan and Bell counties, Kentucky. Washington: GPO, 1932. 286p.
1363. UNITED STATES INDUSTRIAL COMMISSION
Report. Washington: GPO, 1900-1902. 19v.
v12 On the relations and conditions of capital and labor employed in the mining industry. 747p.
v15 389-420 Foreign born in the coal mines.
v17 Reports on labor organizations, labor disputes and arbitration. Chapter 8: Labor organizations of mine workers.
1364. U. S. TAKES OVER THE COAL MINES
Life My 10, 1943 23-29.
1943 strike.

1365. VAN KLEECK, MARY
Miners and management; a study of the collective agreement between the United Mine Workers of America and the Rocky Mountain Fuel Company, and an analysis of the problem of coal in the U. S. New York: Russell Sage, 1934. 391p.
1366. VEAL, PHIL
Obstructionists in the United Mine Workers. New York: New York Labor News, 1911. 16p.
"Crippling hand of false leadership—how it keeps most powerful craft union in the land at mercy of employers."
1367. VIRTUE, G. O.
The anthracite mine laborers. U. S. Department of Labor. *Bulletin* 13: 728-74 1897.
A useful history of labor relations and unionization in the anthracite industry.
1368. VIRTUE, G. O.
The anthracite miners' strike of 1900. *Journal of Political Economy* 9: 1-23 1900.
1369. VORSE, MARY H.
Illinois miners. *Scribners* 93: 169-72 1933.
The Progressive Miners of America and its struggle with the United Mine Workers.
1370. WAKEFIELD, D.
In Hazard Kentucky. *Commentary* 36: 209-17 1963.
Account of a longlasting wildcat strike. "The strike, with its drama and violence, became an outlet for and a means of protest against the bitter frustrations that have been building up here for a decade."
1371. WALKER, CHARLES R.
Red blood in Kentucky; why 100 percent Americans turn Communist. *Forum* 87: 18-23 1932.
The "miner wars" in Harlan County.
1372. WALKER, SAMUEL E.
Terence V. Powderly. Dissertation. Ohio State University. 1973. 306p.
Emphasis is on Powderly's activities in Scranton in the period 1870-1884.

1373. WALLACE, GEORGE SELDEN
In the matter of the Hearing before a subcommittee of the Committee on education and labor of the United States Senate Resolution 37, authorizing the appointment of a Committee to make an investigation of conditions in the Paint Creek district, West Virginia. Brief of George S. Wallace for the state of West Virginia, dealing with the fourth section of the investigation. Charleston, West Virginia, Tribune Printing Co. [1913]. 63p.
1374. WALSH, WILLIAM J.
The United Mine Workers of America as an economic and social force in the anthracite territory. Dissertation. Catholic University of America. 1931.
1375. WALTERS, ROBERT
Locking the barn door: Secretary Shultz and the miners. *Washington Monthly* Feb 1970 64-71.
1376. WAR IN THE COAL FIELDS; THE NORTHERN FIELDS, 1931.
Huntington, W. Va.: Appalachian Movement Press, 1972. 12p.
1377. WARFARE IN THE COAL FIELDS
U. S. News Ag 28, 1953 54-57.

Account of the bitter struggle between the UMWA and J. G. Bradley, the owner of mines in the Widen, West Virginia area.
1378. WARNE, COLSTON E.
Armistice or peace in coal. *Current History* ns4: 242-48 1943.

The 1943 strike.
1379. WARNE, COLSTON E.
Coal dispute enters its second year. *Current History* ns6: 207-13 1944.

The 1944 strike.
1380. WARNE, FRANK
The anthracite coal strike. *Ann. Amer. Acad.* 17: 15-52 1901.
1381. WARNE, FRANK
Coal mine workers; a study in labor organization. New York: Longmans, 1905. 252p.

1382. WARNE, FRANK
Effect of unionism upon the mine worker. *Ann. Amer. Acad.* 21: 20-35 1903.
Deals with the anthracite fields.
1383. WARNE, FRANK
John Mitchell; the labor leader and the man. *Review of Reviews* 26: 556-60 1902.
1384. WARNE, FRANK
Miner and operator; a study of labor conditions in the anthracite coal fields. *Outlook* 82: 643-56 1906.
1385. WARNE, FRANK
The miners' union, its business management. *Ann. Amer. Acad.* 25: 67-86 1905.
1386. WARNE, FRANK
Union movement among coal mine workers. Washington: GPO, 1904. (U. S. Bureau of Labor. Bulletin 51 pp. 380-414).
1387. WARNER, ARTHUR
West Virginia—industrialism gone mad. *Nation* 113: 372-3 1921.
Mine operators go to almost any lengths to prevent unionization.
1388. WECHSLER, JAMES A.
Labor baron; a portrait of John L. Lewis. New York: Morrow, 1944. 278p. (Reprinted by Greenwood Press in 1972).
1389. WECKESSER, ERNEST
The radio rhetoric of John L. Lewis. Dissertation. Michigan State University. 1963. 302p.
1390. WEITZELL, E. H.
Industrial relations in coal mines. American Mining Congress. *Proceedings* 25: 78-85 1922.
1391. WERSTEIN, IRVING
Labor's defiant lady; the story of Mother Jones. New York: Crowell. 1969. 146p.
Intended for young readers.

1392. WEST, HAROLD E.
Civil war in the West Virginia coal mines. *Survey* 30: 37-50 1913.

A letter by the secretary of the West Virginia Mining Association protesting this article appears on p.8 of the same issue.
1393. WEST VIRGINIA. ATTORNEY GENERAL'S OFFICE
Conditions in the Paint Creek district of West Virginia. Investigation by Sub-Committee of the Committee of Education and Labor of the United States Senate. Senate Resolution No. 37. Brief of John B. Morrison and J. E. Brown, Charleston, Assistant Attorneys General on behalf of the state of West Virginia. Tribune Printing Co., [1913]. 133p.
1394. WEST VIRGINIA. GOVERNOR'S COMMISSION ON LOGAN COUNTY SITUATION
Report and digest of evidence taken by Commission appointed by the Governor of West Virginia in connection with the Logan County situation. Charleston, West Virginia: [Tribune Print. Company, 1919]. 69p.

The "situation" was the labor unrest in the coal fields of southern West Virginia.
1395. WEST VIRGINIA. GOVERNOR'S INVESTIGATING COMMITTEE
Report and proceedings of Widen Strike Committee. Charleston, 1953. 184p. (Appears in West Virginia. Legislature. House of Delegates. Journal. Appendix Mr 2, 1953).
1396. WEST VIRGINIA. MINING INVESTIGATION COMMISSION, 1912
Report of West Virginia Mining Investigation Commission, appointed by Governor Glasscock on the 28th day of August, 1912. . . [Charleston, W. Va., Tribune Printing Co., 1912]. 24p.
1397. WESTERN FEDERATION OF MINERS
Category of crime of the Mine Operators' Association. Denver: The Federation, 1904. 31p.

"A partial list, showing 851 men murdered in less than four years." Cover title reads: Reply of the Western Federation of Miners to the "Red Book" of the Mine Operators' Association.
1398. WEYL, WALTER
John Mitchell; the man the miners trust. *Outlook* 82: 657-62 1906.

1399. WHEELER, HOYT N.
Mountaineer mine wars: an analysis of the West Virginia mine wars of 1912-1913 and 1920-1921. *Business History Review* 50: 69-91 1976.
1400. WHITE, THOMAS E.
Development and operation of the welfare and retirement fund in the bituminous coal industry. Dissertation. University of Pittsburgh, 1955. 226p.
1401. THE WHITE SLAVES OF MONOPOLIES: OR, JOHN FITZ PATRICK, THE MINER, SOLDIER AND WORKINGMAN'S FRIEND
A history of his struggles with mine owners, corporations . . . Harrisburg: L. S. Hart, 1884. 371p.
1402. WICE, MARSHA N.
Revolution in the mines: an analysis of the miners revolt of 1969-70. Dissertation. University of Illinois. 1973. 213p.
1403. WICKERSHAM, EDWARD D.
Opposition to the international officers of the United Mine Workers of America: 1919-1933. Dissertation. Cornell University. 1951 231p.
1404. WIEBE, ROBERT H.
The anthracite strike of 1902; a record of confusion. *Mississippi Valley Historical Review* 48: 229-51 1961.
1405. WIECK, AGNES
Ku Kluxing in the miners country. *New Republic* 38: 122-24 1924.
Williamson County, Illinois.
1406. WIECK, EDWARD A.
The American Miners' Association; a record of the origin of coal miners' unions in the United States. New York: Russell Sage, 1940. 330p.
Contemporary documents illustrating the development of mine unions are reproduced on pages 217-309.
1407. WIECK, EDWARD A.
Coal miners journal. *Atlantic Monthly* 134: 5-16 1924.
Describes the activities of a member of the pit committee in a bituminous coal mine.

1408. WIECK, EDWARD A.
General Alexander Bradley. *American Mercury* 8: 69-74 1926.

Account of Bradley's activity during the labor disputes in the Illinois coal fields, 1897.
1409. WIECK, EDWARD A.
The miners' case and the public interest; a documented chronology. New York: Russell Sage, 1947. 92p.
1410. WILLCOX, DAVID
Comments upon suggestions presented by a committee in behalf of some of the employees to the producers of anthracite coal. New York, 1906. 26p.
1411. WILLIAMS, GERTRUDE M.
Twenty-nine men in contempt. *Nation* 140: 443-45 1935.

Account of the struggle of the United Anthracite Miners in the area around Wilkes-Barre, Pennsylvania.
1412. WILLIAMS, TALCOTT
The Anthracite coal crisis. *Atlantic* 87: 447-56 1901.
1413. WILLITS, JOSEPH H.
The conclusions and recommendations of the U. S. Coal Commission as to labor relations in bituminous coal mining. *Ann. Amer. Acad.* 111: 96-107 1924.
1414. WILSON, EDMUND
Frank Keeney's coal diggers. *New Republic* 67: 195-99, 229-31 1931.

Account of destitution and labor politics in the southern West Virginia coal fields.
1415. WILSON, WILLIAM B.
Speech of W. B. Wilson, Secretary-Treasurer, United Mine Workers of America. Delivered at Ashland . . . October, 1901. Indianapolis: Hollenbeck Press, 1901. 20p.
1416. WITT, MATT
Bribe at Brookside; story of a desperate plot to break the Duke Power Strike. *United Mine Workers Journal*, May 16-31, 1974, 8-15.

The attempt to bribe two UMWA strike leaders "has led to the filing of formal charges against Duke Power and the Southern Labor Union."

1417. WOLFE, GEORGE
Survey of conditions of operators and production in so-called open-shop districts of West Virginia. American Mining Congress. *Proceedings* 23: 315-22 1920.

Miners are happier in non-union fields; thus "the United Mine Workers of America will not have very much chance to gain a foothold in our midst."
1418. WOLL, MATTHEW
Injunctions in West Virginia. *American Federationist* 32: 572-78 1925.
1419. WOLTMAN, FREDERICK AND W. L. NUNN
Cossacks. *American Mercury* 15: 399-406 1928.

The "cossacks" are local officials in general and the Pennsylvania State Police in particular.
1420. WOOLLEY, BRYAN AND FORD REID
We be here when the morning comes. Lexington: University of Kentucky Press, 1975. 103p.
1421. WORK OR IDLENESS IN THE BITUMINOUS COAL INDUSTRY
New York: Consolidation Coal Company, 1925. 13p.

"A correspondence between John D. Rockefeller, Jr., C. W. Watson, President. Consolidation Coal Company, and John L. Lewis, President, United Mine Workers of America."
1422. WORKERS INTERNATIONAL INDUSTRIAL UNION
The mines to the control of the miners. Detroit, 1919. 19p.
1423. WRIGHT, CARROLL D.
Importance of arbitration as a factor in the advancement of the mining industry. American Mining Congress. *Proceedings* 11 Pt. 2: 52-56 1908.
1424. WRIGHT, HELEN S.
Coal's worst year. Boston: R. G. Badger, 1924. 202p.

The anthracite strike of 1922.
1425. YOUNG, DALLAS M.
A history of the Progressive Miners of America. Dissertation. University of Illinois. 1940.
1426. YOUNG, DALLAS M.
Origin of the Progressive Mine Workers of America. Illinois State Historical Society. *Journal* 40: 313-30 1947.

- 1426a. ZIEGER, ROBERT H.
Pennsylvania coal and politics. *Pennsylvania Magazine of
History and Biography* 93: 244-62 1969.
Account of the political aspects of the anthracite strike of 1925-26.

Life In The Coal Fields

1427. ABBOTT, GRACE
Immigrant and coal mining communities of Illinois. Springfield: Illinois Department of Registration and Education, 1920. 43p. (Bulletin 2 of the Immigrants Commission).
1428. ABBOTT, GRACE
Improvement in rural public relief: the lesson of the coal-mining communities. *Social Service Review* 6: 183-222 1932.
1429. AHRENHOLZ, GLADYS
Factors affecting social participation in coal communities. Thesis. West Virginia University. 1951. 46p.
1430. ALLRED, CHARLES E. AND OTHERS
Grundy County, Tennessee; relief in a coal mining community. Tennessee. Agriculture Experiment Station. Report 11. 1936.
1431. ALTHOUSE, RONALD
Work, safety and life style among southern Appalachian coal miners; a survey of the men of Standard Mines. Morgantown: West Virginia University, 1974. 152p.
1432. AMERICAN CONSTITUTIONAL ASSOCIATION
Life in a West Virginia Coal Field. Charleston, West Virginia, 1923. 58p.

Written to refute "scurrilous articles" which have depicted the coal fields as "an island of barbarity in a sea of civilization."
1433. AQUIZAP, ROMAN B. AND ERNEST A. VARGAS
Technology, power and socialization in Appalachia. *Social Casework* 51: 131-39 1970.

Study of the effects of the coal industry on the social system in a coal mining area.

- 1433a. ARBLE, MEADE
The long tunnel: a coal miner's journal. New York: Atheneum, 1976. 239p.
Author worked as a miner in Pennsylvania.
1434. ARBLE, MEADE
Notes from a coal mine. *New York Times Magazine* Ja 12, 1975 28-32.
Notes from the diary of a writer who worked as a miner in Pennsylvania.
1435. ARBLE, MEADE
Turning off: my life underground; A young father's story. *Redbook* Feb 1976 74+
Describes the dispirited life of a young coal miner in Pennsylvania.
1436. ARCHER, C. H.
School consolidation at Gary, McDowell County, West Virginia. *Coal Age* My 6, 1916. 807-8.
Account of education in the area of the main operation of the U. S. Coal & Coke Co.
1437. ARKANSAS. STATE EMERGENCY RELIEF ADMINISTRATION
A study of the Arkansas coal mines and miners. Little Rock, 1934. 97p. proc.
- 1438. BALL, RICHARD A.
The Southern Appalachian coal community; an explorative study. Thesis. West Virginia University. 1960. 143p.
- < 1439. BARNES, CLARENCE E.
The pattern and nature of the informal and formal institutional contacts participated in by residents of New Hill. Thesis. West Virginia University. 1952. 58p.
New Hill is a small mining community in north-central West Virginia.
- 1440. BAUMGARDNER, RILEY G. AND D. E. STEINER
Cabin Creek: an accumulation of unpaid social and environmental costs in Appalachia. *Water Spectrum* 6 (2) 32-38 1974.
Account of the economic and social plight of the Cabin Creek area in southern West Virginia. Possible plans for improvement are presented.

1441. BENTLEY, J. G.
Methods of improving mining camp sanitation from stand-point of industrial medicine. *Virginia Medical Monthly* 54: 638-40, 1928.
1442. BERTHOFF, ROWLAND
The social order of the anthracite region, 1825-1902. *Pennsylvania Magazine of History and Biography* 89: 261-91 1965.
1443. BEURY, WILLIAM
The social aspects of coal mines. West Virginia Coal Mining Institute. *Proceedings* 1934 63-77.

A generally cheerful view of life in the West Virginia coal fields by a company executive.
1444. BLEAK LIFE OF SKILLED DIGGERS
Fortune Jan 1971 83-85.

Chiefly photographs.
1445. BRACKER, MILTON
Portrait in black and white. *N. Y. Times Magazine* N 30, 1941. p5+.

Life in the southwestern Pennsylvania coal fields (Uniontown area).
1446. BRANDT, L.
Housing the coal industry. West Virginia Coal Mining Institute. *Proceedings* 1923 51-64.

Author concentrates on the investment required by the operator to supply housing of various standards.
1447. BROSKY, A. F.
Building a town for a mountain community. *Coal Age* 23: 560-563 1923.

Description of the 'Model' coal mining town of Jenkins, Kentucky.
1448. BROWN, MALCOLM J.
Seven stranded coal towns; a study of an American depressed area. Washington: GPO, 1941. 188p. (WPA. Research Monograph 23).

The Illinois coal fields.
1449. BROWN, ROLLO W.
The hills are strong. Boston: Beacon Press, 1953 (1952), 244p.

Includes an account of the author's early life in the coal-mining section of southeastern Ohio.

1450. BROWNELL, BAKER
The other Illinois. New York: Duell, Sloan and Pearce, 1958. 276p.
Southern Illinois is the "other Illinois". Much material on the coal fields.
1451. BUIS, LOIS S. C.
Kay Jay in its heyday. *Appalachian Heritage*. Summer 1974 61-69.
Describes the community and the every day life of a small mining town in Southeastern, Ky., ten years ago.
1452. CABIN CREEK Y.M.C.A. (DECOTA, WEST VIRGINIA)
Coal Age 4: 741-42 1913.
1453. CAUDILL, HARRY M.
The mountain, the miner and the Lord. *Appalachian Heritage* Summer 1974 28-39.
Tells the story of a black miner who struggles to survive the depression and send his daughter to college.
1454. CAUDILL, HARRY M.
Permanent poor: The lesson of eastern Kentucky. *Atlantic* Je 1964 49-53.
1455. CHAMBERLAIN, J. G.
Are the avenues to a higher social, industrial and political position increasing or diminishing with the miner. *Ohio Mining Journal* 5: 2 1887 68-73.
1456. CHAMBERLAIN, J. G.
Social possibilities of the miner. *Ohio Mining Journal* 2: 73-79 1883/84.
Operators should help miners own their own homes and become "solid" citizens.
1457. CHURCH, RUTH AND CATHY STANLEY
Women miners—in the 40's; today. *Mountain Life and Work* Nov 1974 14-15.
Two women who worked in the mines in the 1940's file for black lung benefits; and two women presently working in Va. mines describe their work.
1458. COAL'S BOOM CREATES A NEW KIND OF TOWN
Business Week 164+ Sept 16, 1967.

Because of the coal industry's prosperity, companies are using new recruiting techniques such as Eastern Associated Coal Corporation's new town for miners near Beckley, W. Va.

1459. COLES, ROBERT
Life in Appalachia. The case of Hugh McCaslin. *Trans-Action* Je 1968 23-33.
A sympathetic look at a disabled miner, his ideas, life style, and past.
1460. CONROY, JACK
Boyhood in a coal town. *American Mercury* 23: 83-92 1931.
1461. COWLEY, MALCOLM
Kentucky coal town. *New Republic* 70: 67-70 Mr 2, 1932.
Town is Pineville. Replies to this article appeared in the same journal, issues of Mr. 30 and My 18.
1462. CRAWFORD, BRUCE
Piney Ridge, Virginia. *Virginia Quarterly Review* 8: 371-84 1932.
Description of life in a coal mining area near the Kentucky border.
1463. CRESSEY, PAUL FREDERICK
Social disorganization and reorganization in Harlan County, Kentucky. *American Sociological Review* 14: 389-94 1949.
1464. DEAN, LOIS
Minersville—a study in socioeconomic stagnation. *Human Organization* 24: 254-61 1965.
Attempt to understand the value system and attitudes of an economically depressed Illinois mining town.
1465. DEASY, GEORGE F. AND PHYLLIS R. GRIESS
Effects of a declining mining economy on the Pennsylvania anthracite region. Association of American Geographers. *Annals* 55: 239-59 1965.
"The Pennsylvania anthracite region is experiencing increasing economic and social dislocations as a result of continuing decline of its coal mining industry".
1466. DE LAURETIS, FRANK T.
Anthracite coal: a case study of the social problems of a declining industry. Thesis. University of Illinois. 1956.

- 1466a. DENSMORE, RAYMOND E.
The coal miner of Appalachia. Parsons, W. Va.; McClain Printing Co., 1977. 49p.
Account of life in the coal fields of Maryland and northern West Virginia, during the period 1920-1940. Author was a miner and mine official.
1467. DENTON, ALMA
Standards of living among bituminous coal miners' families in southern Illinois. Thesis. University of Illinois. 1934.
1468. DOWNING, THOMAS F.
Where to build our mining towns and what to build. West Virginia Coal Mining Institute. *Proceedings* 1923 41-51.
The general manager of a large coal company discusses the problems of building towns in the narrow valleys of the coal country.
1469. EAVENSON, HOWARD N.
Building complete thousand-dwelling town for a mine population of 7,000 at Lynch, Kentucky. *Coal Age* 20: 532-36 1921.
1470. EDUCATION IN COLORADO FUEL AND IRON VILLAGES
Coal Age 7: 466-70 1915.
1471. EDWARDS, J. H.
Helping man and family. *Coal Age* D 1944 86-93.
Describes efforts of the Jewell Ridge Coal Company to make the coal towns "better places in which to live" and "to raise the employees esteem of his job." Area located in the coal fields of southern Virginia, near Bluefield, West Virginia.
1472. THE EDWARDSVILLE IMPROVEMENTS
Coal Age 5: 936-39 1914.
Account of the transformation of Edwardsville, Luzerne County, Pennsylvania into a model coal mining community.
1473. ELLIS, MABEL B.
Children of the Kentucky coal fields. *American Child* 1: 285-405 1920.
1474. ENVIRONMENT AND OPPORTUNITIES FOR WOMEN OF COAL MINERS' FAMILIES
MLR 21: 333-34 1925.

1475. ERNST, HARRY W. AND CHARLES H. DRAKE
Poor, proud and primitive. *Nation* 188: 490-93 1959.
Deals largely with the depressed coal areas of southern West Virginia. (Reprinted in ML & W 35: 3 1959 under the title: Region in Need).
1476. FAY, C. L.
Liquor problem in mining communities. *Coal Age* 1: 90, 192, 222-24, 258-59 1911/12.
1477. FITZPATRICK, JOHN S.
Underground mining: a case study of an occupational sub-culture of danger. Dissertation. Ohio State University, 1974. 280p.
Examines the patterns of behavior produced by mining and the effects of danger on the miners' belief systems, social interaction, and concepts of safety.
1478. FOWLER, GEORGE L.
Social and industrial conditions in the Pocahontas coal fields. *Engineering Magazine* 27: 383-96 1904.
1479. FRENCH, JACK
Segregation patterns in a coal camp. Thesis. West Virginia University. 1953. 67p.
1480. FRIENDS. SOCIETY OF
Report of the child relief work in the bituminous coal fields by the American Friends Service Committee. Philadelphia: Engle Press, 1932. 67p.
Covers the period S 1, 1931-Ag 31, 1932.
1481. FRIENDS, SOCIETY OF
A report of the services and relief in the bituminous coal fields by the American Friends Service Committee. Philadelphia: Engle Press, 1933. 32p.
Covers the period S 1 1932-Ag 31, 1933.
1482. GIBBONS, P. E.
Miners of Scranton. *Harpers New Monthly Magazine* 55: 916-27 1877.
Account of the life style of the miners, then largely Welsh, German and Irish.

1483. GILFILLAN, HARRIET W. (LAUREN GILFILLAN, PSEUD.)
I went to pit college. New York: Viking, 1934. 288p.
Account of life in the Pennsylvania coal fields during the early years of the depression.
1484. GLADDEN, JAMES W. AND CHRISTIANSEN, JOHN R.
Emergence of urban values in mining families in eastern Kentucky. *Rural Sociology* 21: 135-39 1956.
1485. GOLDWASSER, T.
Coal mining 2. Benton, Illinois. *Atlantic* Nov. 1969 28+.
Description of life above and below ground in Benton, Illinois, a coal town.
1486. GOODRICH, CARTER
Machine and the miner. *Harper* 154: 649-54 1927.
The introduction of machines will mean "an end to the unique and traditional freedom of the mines."
1487. GOODRICH, CARTER
The miners' freedom. Boston: Marshall Jones, 1925. 189p.
"A study of the working life in a changing industry."
1488. GOODRICH, CARTER
Nothing but a coal factory: machinery in coal mining. *New Republic* 44: 91-93 1925.
Author maintains that the introduction of machines means end to miners' freedom.
1489. GORDON, LELAND
Peanut hill. *Nation* 140: 270-71 1935.
Human misery in the Ohio coal fields.
1490. GRIFFIN, GERALD
The truth about eastern Kentucky. *Mountain Life & Work* 31: 4 1955 17-24.
A discussion of the desperate economic conditions in the coal fields of eastern Kentucky.
- 1490a. HAINES, MICHAEL R.
Fertility, marriage, and occupation in the Pennsylvania anthracite region, 1850-1880. *Journal of Family History* 2: 28-55 1977.

1491. HALL, HELEN
Miners must eat. *Atlantic* 152: 153-62 1933.
Conditions in the West Virginia coal fields.
1492. HALL, R. D.
The industrial clean-up. American Mining Congress. *Proceedings* 22: 717-25 1919.
Urges companies to create better housing, recreational facilities, etc., in the mining towns.
1493. HAMBRIDGE, JAY
An artist's impressions of the colliery region. *Century Magazine* 55: 822-28 1897/98.
The Pennsylvania anthracite area.
1494. HAMILL, R. H.
Design of buildings in mining towns. *Coal Age* 11: 1045-48 1917.
1495. HEDGEPEETH, WILLIAM
George's Branch, Ky. *Look* Mr 4, 1969 25-33.
"Eight full years after America became aware of Appalachia, hunger hangs on in the hollows as strip miners dismember the mountain land and a stubborn poverty threatens to create an American peasantry."
1496. HODGSON, BRYAN
Mountain voices, mountain days. *National Geographic* Jl 1972 118-46.
Includes text and photographs of coal mining areas.
1497. HOFFMAN, BETTY HANNAH
Meet a soft-coal miner's family of Harlan County. Kentucky. *Ladies Home Journal* 64: 225-32. Mr 1947.
1498. HOLLANDSWORTH, GENEVIEVE
Youth recreation in the coal mining towns of West Virginia. Thesis. West Virginia University. 1948.
1499. HUEBNER, A. F.
Houses for mine villages. *Coal Age* 12: 717-20 1917.
Good housing is not only a profitable investment but has become necessary to keep reliable labor.

1500. HUSBAND, JOSEPH
A year in a coal mine. Boston: Houghton Mifflin, 1911.
171p.

Description, by a young Harvard graduate, of work as an unskilled miner in the Illinois coal fields.
1501. HUSKINSON, FRANK
How a western coal-mining village manages a social club. *Coal Age* 12: 670-71 1917.

Delagua, Colorado.
1502. INSTITUTE ON MAN AND SCIENCE
Project approach: the revitalization of Stump Creek. Rensselaerville, N. Y., 1973. 28p. (ERIC Ed 082 880).

Account of a pilot project to improve housing conditions in a "declining Pennsylvania coal town."
1503. JACKSON, BRUCE
In the Valley of the Shadows: Kentucky. *Transaction* Je 1971 28-38.

Account of conditions in Pike County, Kentucky, including activities of the Appalachian Volunteers.
1504. JORDAN, MARGARET W.
A plea for the West Virginia miner. *Coal Age* 6: 914-16 1914.

Experiences of a social worker in the coal fields of southern West Virginia.
1505. JUTELIS, VICTORIA
The effects of a depression upon a mining village. Thesis. University of Illinois. 1934.
1506. KAPLAN, STELLA A.
Recent developments in housing for bituminous coal miners. Thesis. University of Pittsburgh. 1945.
1507. KARSCH, CARL G.
Hardship in the valleys. *Presbyterian Life* S 1, 1960 7-12.

Life in "the declining coal towns of West Virginia."
1508. KEELY, JOSIAH
Successful wives in coal camps. *Coal Age* 11: 591-2 1917.

Author deplores the rivalries of the wives of mine officials and their unsettling effects.

1509. KELLY, JAMES F. AND THOMAS W. HARRELL
Job satisfaction among coal miners. *Personnel Psychology* 2: 161-70 1949.

Study made among miners in the Illinois coal fields.
1510. KNIPE, EDWARD E.
Occupational ingress and egress; a survey of Appalachian coal miners. Richmond: Virginia Commonwealth University, 1973. 118p.

"A study of those factors related to choosing to be a coal miner in Appalachia."
1511. KNIPE, EDWARD E. AND HELEN M. LEWIS
Toward a methodology of studying coal miners' attitudes. Johnson City: East Tennessee State University, 1968. 34p.
1512. LANTZ, HERMAN R.
People of Coal Town. New York: Columbia, 1958. 310p.

A study of life in a small mining community in southern Illinois.
1513. LAUCK, W. J.
Bituminous coal miner and coke worker of Western Pennsylvania. *Survey* 26: 34-51 1911.
1514. LEAMER, LAURENCE
Eccles no. 6: working the seam in a West Virginia coal mine. *Harpers* Dec 1971 100-2+.
1515. LEE, JENNIE
Kentucky through English eyes. *Living Age* 342: 184-5 1932. (Alternate title: My Old Kentucky Home).

"Of all the God-forsaken spots I have visited, American mining camps are certainly the worst."
1516. LEISTRITZ, F. LARRY AND THOR A. HERTSGAARD
Coal development in North Dakota: effects on agriculture and rural communities. *North Dakota Farm Research* Sept/Oct 1973 3-9.
1517. LEWIS, HELEN M.
Fatalism or the coal industry? Contrasting views of Appalachian problems. *Mountain Life and Work* Dec 1970 4-15.
1518. LEWIS, HELEN M.
Occupational role and family roles: a study of coal mining families in the southern Appalachians. Dissertation. University of Kentucky. 1970. 332p.

1519. LEWIS, HELEN M. AND EDWARD E. KNIPE
The sociological impact of mechanization on coal miners and their families. Johnson City: East Tennessee State University, 1969. 40p.
1520. LINDSAY, J. J.
Why they still go into the mines. *NY Times Magazine* Nov. 24, 1963 37+.

Conditions in the mines are very hazardous, but miners continue to work "because they have to; most of them have no choice."
1521. LIVING CONDITIONS OF BITUMINOUS MINE WORKERS
MLR 18: 529-35 1924.
1522. LIVING WITH UNEMPLOYMENT IN A COAL TOWN
Business Week Ja 8, 1955 44-50.

Luzerne County, Pennsylvania.
1523. LIVINGSTON, WILLIAM J.
Coal miners and religion. Thesis. Union Theological Seminary, Richmond. 1951.

Research was done in Logan County, West Virginia.
1524. LOHMANN, KARL B.
Improving colliery surroundings in anthracite region. *Coal Age* 6: 739-41 1914.

"There is no good reason why colliery plants should be blots on the surrounding landscape."
1525. LOVEJOY, OWEN R.
Child labor in the soft coal mines. *Ann. Amer. Acad.* 29: 26-34 1907.
1526. LOVEJOY, OWEN R.
Coal mines of Pennsylvania. *Ann. Amer. Acad.* 38: Supp. 133-38 1911.

Child labor in the mines.
1527. LOVEJOY, OWEN R.
The extent of child labor in the anthracite coal industry. *Ann. Amer. Acad.* 29: 35-49 1907.
1528. LOZIER, JOHN
Ambivalence toward promotion among Appalachian coal miners: the legend of Larry Harper. *Appalachian Journal* 2: 111-15 Winter 1975.

Larry Harper, long a highly competent miner, was made a foreman. His neighbors and fellow workers felt that the promotion destroyed him. His personality changed, he drank heavily and finally killed himself.

1529. MC CARTHY, COLMAN
Who's who in Appalachia. *Atlantic JI* 1976 68-75.

Account of the impact, largely unfortunate, of the coal industry on Appalachia and its people.
1530. MACLEAN, ANNIE M.
Life in the Pennsylvania coal fields with particular reference to women. *American Journal of Sociology* 14: 329-51 1909.
1531. MC GILL, NETTIE P.
Welfare of children in the bituminous coal mining communities in West Virginia. Washington: GPO, 1923. 77p. (Children's Bureau Publication 117).
1532. MAGNUSSON, LEIFUR
Company housing in the anthracite region of Pennsylvania. *MLR* 10: 1260-69 1920.
1533. MAGNUSSON, LEIFUR
Company housing in the bituminous coal fields. *MLR* 10: 1045-52 1920.
1534. MALONEY, JOHN
The angel of Happy Hollow. *Saturday Evening Post* 220 F. 14, 1948 30-31, 97-99.

Social work of Elizabeth Collins in the Southern Appalachian coal fields.
1535. MARJA, FERN
Forgotten children: the West Virginia Story. Title of a series of six articles appearing in *the New York Post* F 22 to F 28, 1960.

Report on human misery in the coal fields of southern West Virginia.
1536. MARKHAM, EDWIN
The hoe-man in the making: little slaves of the coal mines. *Cosmopolitan* 42: 20-28 1906.
1537. MARTIN, JOHN B.
Crisis in coaltown. *Saturday Evening Post* S 18, 1954 24-5.

"The case history of dying West Frankfort, Illinois."

1538. MARTIN, JOHN B.
Life and death in coaltown. *New York Times Magazine* Ja 13, 1952 11.
1539. MATTHEWS, ELLEN N.
Work opportunities and school training for the coal miners' children. National Conference of Social Work. *Proceedings* 1921: 287-92.
1540. MAZZEI, FRANK JOSEPH
A study of the factors influencing job satisfaction among factory workers of Clarksburg, West Virginia, and coal miners of Morgantown, West Virginia. Thesis. West Virginia University. 1953.
1541. MILLER, NORA
Girl in the rural family. Chapel Hill: University of North Carolina Press, 1935. 108p.
Chapter 4: the soft coal mine family.
1542. MINERS' STORY
Independent 54: 1407-10 1902.
The life story of a Pennsylvania miner who started work at the age of twelve.
1543. MORRIS, HOMER L.
The plight of the bituminous coal miner. Philadelphia: University of Pennsylvania Press, 1934. 253p.
Study is centered chiefly in the coal fields of Kentucky and West Virginia.
1544. MORRIS, THOMAS JOHN
The coal camp; a pattern of limited community life. Thesis. West Virginia University. 1950. 93p.
1545. MURPHY, R. E.
A Southern West Virginia mining community. *Economic Geography* 9: 51-59 1933.
1546. MYERS, JAMES
Rehabilitation in the coal fields. *Christian Century* 49: 1053-55 1932.
Activity of the Quakers in a northern West Virginia coal field.

1547. NELLIS, LEE
What does energy development mean for Wyoming? *Human Organization* 33: 229-38 1974.

A look at the impact on Hanna, Wyoming, a small town, of rapid growth due to new mining operations.
1548. NELSON, H. L.
Life in the coal villages. *Harpers Weekly* 32: 458 1888.

Reply to the above: *Colliery Engineer* 8: 252-53 1887/88.
1549. NEUBERT, ANN
We belong in these hills. *Ladies Home Journal* J1 1961 88-91.

Account of the way of life of the families of unemployed coal miners. The Neuberts live in Fayette County, West Virginia.
1550. NICHOLS, FRANCIS H.
Children of the coal shadows. *McClures* 20: 435-44 1902/3.

Child labor in the anthracite coal fields.
1551. NOON, W. H.
The coal camp bootlegger. West Virginia Coal Mining Institute. *Proceedings* 1921 78-80.

The problems created by the bootleggers who cater "to the thirst and conviviality" of the mine camps.
1552. NOONAN, J. ROBERT
Analysis of contingencies in the Appalachian coalfields. *Community Mental Health Journal* 12: 99-105 1976.

Prosperity, indeed survival, of those living in the coal fields has depended on conditions over which they have no control. Author suggests ways to help overcome the passivity which results.
- 1552a. NOONAN, J. ROBERT
The mystique of coal mining. *Appalachian Notes* 4: 17-23 1976

Study of the motivation of miners.
1553. NORTON, HELEN G.
Feudalism in West Virginia. *Nation* 13: 154-5 1931.

"Life in West Virginia coal camps is unbelievably feudalistic."

1554. NUTTALL, JOHN
Trees above with coal below. San Diego, Calif.: Neyenesch
Printers, 1961. 202p.

The author's personal reminiscences of life in the timber and coal
lands of Fayette County, W. Va. in the late 19th and early 20th
centuries.
1555. OBENAUER, MARIE L.
Living conditions among coal workers of the United States.
Ann. Amer. Acad. 111: 12-23 1924.
1556. OBENAUER, MARIE L.
Who are the coal mine workers? *North American Review*
219: 609-15 1924.
1557. OWEN, C. E.
Successful centralization of township schools. *Coal Age*
Ap 1, 1916 601-4.

Account of school centralization and design of school building in
mining area in McDowell County, West Virginia.
1558. PALANGE, MARK
Coal camp buys itself: David, Ky. *Mountain Life and*
Work Nov 1975 33-35.

Residents of a former coal camp formed the David Community
Development Corp. and bought their own town.
1559. PARKER, EDWARD W.
Workmen's houses in the anthracite regions. National Plan-
ning Association. *Proceedings* 5: 54-66 1916.
1560. PARKER, RUTH L.
With the Friends in the coal fields. *Mountain Life and*
Work O 1932 3-10.

Activities of the American Friends Service Committee in relieving
distress in the coal fields.
1561. PARLOW, ANITA
Pikeville, Kentucky: Millionaires and mobile homes. *South-
ern Exposure* Winter 1976 25-30.

"For many residents, neither the planners' strategies nor the coal
barons' success has done much to alter a life of poverty in the midst
of plenty."

1562. PARSONS, FLOYD W.
A modern coal mining town. *Engineering and Mining Journal* 82: 830-32 1906.
The glories of Zeigler, Illinois and the Ziegler Coal Co.
1563. PEABODY'S NEW COAL TOWN IN ILLINOIS
Coal Age 5: 133-34 1914.
Account of Kincaid, Illinois.
1564. PEARCE, JOHN E.
The superfluous people of Hazard, Kentucky. *Reporter* Ja 3, 1963. 33-35.
Coal miners are, and will probably remain, superfluous.
1565. PERRY, HUEY
They'll cut off your project. New York: Praeger, 1972. 256p.
Author tells of his experience as director of a "War on Poverty" project in Mingo County, West Virginia.
1566. PETERSON, BILL
Coaltown revisited; an Appalachian notebook. Chicago: Regnery, 1972. 230p.
"Life in coaltown is much the same as Kennedy and those who followed him in 1960 saw it." A journalist searches to determine why the United Mine Workers Union and "the War on Poverty" failed to save Appalachia.
1567. POLSKOV, WALTER N.
Sufficient unto himself is the coal digger. *Labor and Nation* My/Je 1947 28-29.
An attempt to explain "Why the miners behave the way they do".
1568. QUARLES, MARY A.
A comparison of some aspects of family life between two areas of Leslie County, Kentucky. Thesis. University of Kentucky. 1952.
1569. RASKIN, A. H.
How miners live. *American Mercury* 64: 421-27 1947.
A generally dismal picture of life in the Pennsylvania and West Virginia coal fields.

1570. RATLIFF, PAUL
Yesterday's coal town. *Mountain Life & Work* Winter 1960 20-23.
A "photo-essay" depicting conditions in a declining mine village.
1571. REYNOLDS, JAMES E.
Anxiety in coal miners. Thesis. West Virginia University. 1959. 78p.
"Some relevant characteristics of miners whose conditions were diagnosed as 'Anxiety Reaction' in McDowell County, West Virginia during the years 1955 through 1957."
1572. RICH, MARK
Some churches of coal mining communities of West Virginia. New York. 1951 62p.
Survey sponsored by the West Virginia Council of Churches and the Committee for Cooperative Field Research.
1573. RICHARDSON, F. L. W.
Community resettlement in a depressed coal region. *Applied Anthropology* Pt. I 1: O D 1941 24-53; Pt. II 1: 3 Ap/Je 1942 32-61; Pt. III 7: 4 1948 1-27.
1574. RIDENOUR, GEORGE L.
The American coal miner and the social problem. Thesis. Southern Baptist Theological Seminary. 1927.
1575. ROBERTS, PETER
Anthracite coal communities; a study of the demography, the social, educational and moral life of the anthracite regions. New York: Macmillan, 1904. 387p.
1576. ROBINSON, M. B.
Among the coal miners. *Missionary Review* 25: 835-39 1902.
Illinois setting.
1577. RODEN, B. F.
The commissary: its indispensability and purposes. *Coal Age* 4: 240-42 1913.
1578. ROGERS, JACK
I remember that mining town. *West Virginia Review* 15: 203-5 1938.
"Vivid description of life in a West Virginia mine camp during the author's boyhood."

1579. ROOD, HENRY E.
A Pennsylvania colliery village. *Century Magazine* 55: 809-21 1897/98.
1580. ROOSEVELT, THEODORE
Coal miner at home. *Outlook* 96: 899-908 1910.

Account of the author's short trip to the Scranton area. TR paints a generally cheerful picture.
1581. ROSS, M. H.
The Appalachian coal miner: his way of living, working and relating to others. New York Academy of Science. *Annals* 200: 184-96 1972.
1582. ROSS, M. H.
Life style of the coal miner; America's original hard hat. *Appalachia Medicine* Apr 1971 5-11.

A concise resume of social, psychological and economic problems associated with the coal miner. Provides a list of factors which attract men to this seemingly unattractive occupation.
1583. ROSS, MALCOLM H.
Machine Age in the hills. New York: Macmillan, 1933. 248p.

"The effects of technology . . . in the coal fields of Kentucky and West Virginia." A classic report.
1584. ROSS, MALCOLM H.
Permanent part-time. *Survey Graphic* 266-68 1933.

Activity of the Quakers in the West Virginia mine fields.
1585. ROY, ANDREW
Characteristics of miners. *Ohio Mining Journal* 2: 88-92 1883/84.

Miners are made "quarrelsome and fault-finding" by "the pernicious influence of breathing bad air."
1586. RYAN, FREDERICK
The rehabilitation of Oklahoma coal mining communities. Norman: University of Oklahoma Press, 1935. 120p.
1587. THE SALOON EVIL IN THE MINING INDUSTRY
Coal Age 12: 1008-9 1917.

1588. SHANNON, IRWIN V.
Southeastern Ohio in depression and war; the disintegration of an area. Columbus: Ohio State University. 1943. 54p. (Bureau of Educational Research Monograph 24).
1589. SHAW, IRA D.
Welfare work among miners. *Coal Age* 4: 21-22 1913.
1590. SHEPHERD, WILLIAM G.
Big black spot. *Colliers* S 19, 1931 12-13.

Account of conditions in the West Virginia coal fields, with special emphasis on the company store.
1591. SHURICK, A. T.
Colliery dwelling construction. *Coal Age* 38-41, 211-14, 1911/12.

Discussion of proper homes for miners and mine officials. Plans and illustrations are included.
1592. SIMPSON, ALEXANDER G.
The life of a miner in two hemispheres. New York: Abby Press, 1903. 300p.

Includes sections on the author's experience as a mine official in Illinois and Alabama.
1593. SMITH, RICHARD C.
Human crisis in the kingdom of coal. New York: Friendship Press, 1952. 113p.

Examines the plight of the coal miner in both Europe and America. Author was for some years director of the Mountaineer Mining Mission in Morgantown. West Virginia.
1594. SOCIOLOGICAL CONDITIONS IN WEST VIRGINIA
Coal Age 2: 733-34 1912.
1595. SOCIOLOGICAL WORK ACCOMPLISHED BY THE CONSOLIDATION COAL COMPANY
Coal Age 15: 54-58 1919.

Account of social services provided by the Company to its miners—nursing care. education, recreation, etc.
1596. SPAHR, CHARLES B.
The coal miners of Pennsylvania. *Outlook* 62: 805-12 1899.

Account of economic and social conditions in the anthracite fields.

1597. STEELMAN, JAMES
The English Language in the coal mining regions. *Coal Age* 6: 834-36 1914.
The problem of teaching English to foreign born miners.
1598. STILLMAN, DON
Being in the right place at the right time. *Mountain Review* Sept. 1974 30-34.
"Last year 11 lawyers from eastern Kentucky received a total of more than \$3.8 million for representing disabled coal miners who were fighting for black lung benefits. . . ."
1599. STILLMAN, DON
Company stores thrive. *Mountain Life and Work* Dec 1975 36-44.
Reprinted from the "UMWA Journal," the article describes the continuing existence and modern practices of the company store.
1600. STOCKTON, RICHARD
Underground in Illinois; how coal miners live, work and struggle for unity. Chicago: National Research League, 1935?. 32p.
1601. STORE CHECKS VS. THRIFT
Coal Age 8: 619 1915.
Editorial on the role of the company store. It triggered a number of letters on the subject on pp. 812-13, 852-54, 895-97.
1602. STRONG, EDNA R.
A sociological analysis of ecology, structure and processes in a Virginia coal mining community. Thesis. Louisiana State University. 1943.
1603. SWADOS, HARVEY
The miners: men without work. *Dissent* 6: 389-401 1959.
Account of life in the coal fields of western Pennsylvania.
1604. SWEET, PATRICIA A.
The effects of living in an isolated mining camp on the learning ability of poor and non-poor students in a second grade class in Keokee Elementary School, Keokee, Virginia. Thesis. East Tennessee State University, 1970. 45p.
1605. SWIFT, BERT, ROBERT DECKER AND MIKE MCKEOWN
Mental health in Appalachia: an emerging problem. *Appalachia* Oct/Nov 1975 36-44.

Mental health problems will increase "as the drive for energy disrupts community structures, changes the character of population groups and alters prevailing patterns of culture."

1606. TAYLOR, WARREN C.
Father Ligutti's homestead. *Christian Century* 56: 56-8 Ja 11, 1939.

Account of efforts among coal miners in the Granger, Iowa area to combine small farming with mining.
1607. TIPPETT, THOMAS
Horse Shoe Bottoms. New York: Harpers, 1935. 298p.

Account of mining conditions and labor relations in the Illinois coal fields. 1870's and 1880's.
1608. TOWSON, CHARLES R.
Replacing the saloon in mining communities. *Coal Age* 8: 264 1915.

With the YMCA.
1609. U. S. CHILDREN'S BUREAU
Child labor and the welfare of children in the anthracite coal mining district. Washington: GPO, 1922. 94p. (Bureau Publication 106).
1610. U. S. WOMEN'S BUREAU
Home environment and employment opportunities of women in coal-mine workers' families. Washington: GPO, 1925. 61p. (Women's Bureau. Bulletin 45).
1611. VAN METER, LA RUE
Social organization of an Illinois coal-mining community. Thesis. University of Illinois. 1932.
1612. VENSCLAUSKAS, STANLEY C.
Emigration from the Schuylkill County, Pennsylvania coal fields, 1930-1943. Thesis. University of Pennsylvania. 1944.
1613. VECSEY, GEORGE
Day in the life of a coal miner. *Business and Society Review* 10: 65-70 Summer 1974.
1614. VECSEY, GEORGE
One sunset a week: the story of a coal miner. New York: Saturday Review Press, 1974, 247p.

Account of the life and views of southwestern Virginia coal miner. The miner and his family are viewed by much of the community as being radicals.

1615. WALKER, WILMA
Distress in a southern Illinois county. *Social Service Review* 5: 558-81 1931.

Account of misery in Franklin County, Illinois caused by the sharp decline in coal mine employment.
1616. WANCE, WILLIAM AND RICHARD BUTLER
Effect of industrial changes on occupational "inheritance" in four Pennsylvania communities. *Social Forces* 27: 158-62 1948.

Study of occupational inheritance in mining families in bituminous coal communities hard hit by technological change.
1617. WARBURTON, AMBER A.
Guidance in a rural-industrial community; Harlan County, a Kentucky coal mining district, plans with and for its boys and girls. Washington: National Educational Association, 1954. 249p.
1618. WATTS, A. C.
Utah Fuel Co.'s Somerset Mines prosper under prohibition. *Coal Age* 11: 796-98 1917.

The company's chief engineer claims a vast improvement in conditions since the saloon was turned into a social club (dry).
1619. WELLER, JACK
Yesterday's people. Lexington: University of Kentucky Press, 1965. 163p.

Account of the life style of rural people in a Southern Appalachian coal mining area (Boone County, West Virginia). The book has become a classic.
1620. WEITZEL, JOHN A.
Game of black diamonds. *Outlook* 126: 593-97 1920.

General discussion of the industry. especially life of the miners.
1621. WHITE, J. H.
Houses for mining towns. Washington: GPO, 1914. 64p. (U.S. Bureau of Mines. Bulletin 87).

Treats of plans for and arrangement of mining towns.
1622. WILLARD, LUCIUS
Some adjuncts to efficiency in coal mining. *Coal Age* Apr 22, 1916 719-21.

Account of social improvements, including a club house for miners, in Roslyn, Washington.

- 1622a. WILLIAMS, BRUCE T.
Underground bituminous coal miners of Cambria County, Pennsylvania; an anthropological study. Dissertation. University of Pittsburgh, 1976. 253p.
1623. WILLIAMS, DORCAS A.
Food habits of the pupils in Monongahela & Dunbar (West Virginia) High School whose parents are engaged in coal mining. Thesis. West Virginia University. 1952.
1624. WILLIAMS, L. M.
Transformation of a coal mining town. *Mining Congress Journal* Ag 1943. 37-40.

Describes the improvement of Wheelwright, Kentucky as the result of a community improvement program of the Inland Steel Co.
1625. WILLIAMS, STANLEY B.
Disorganization and delinquency in three coal communities. Thesis. West Virginia University. 1954. 64p.
1626. WILLIS, BEVERLY A.
Socioeconomic problems facing industry include inadequate housing. *Coal Mining and Processing* Je 1976 62-66.

The new generation of miners demands vastly better housing than the traditional coal camp.
1627. WILSON, HELEN
Child labor and the welfare of children in an anthracite coal mining district. Washington: GPO, 1922. 94p. (Children's Bureau. Publication 106).

Shenandoah area of Pennsylvania.
1628. WILSON, JOHN M.
The dark and the damp. New York: Dutton, 1951. 256p.

Autobiography. Includes experiences of the author in the coal mines of Indiana.
1629. WOODBRIDGE, DWIGHT
Sanitation at mining villages in the Birmingham district, Alabama. Washington: GPO, 1913. 27p. (Bureau of Mines Technical Paper 33).
1630. ZIMMERMAN, H. O.
Modernization of living conditions in a coal mining town. Kentucky Mining Institute. *Proceedings* 1: 23-30. 1940.

The town of Wheelwright, Kentucky.

1631. ZIMOLZAK, CHESTER E.

Social, economic and environmental degradation: a study of mining economy interrelationships. Pennsylvania Academy of Science. *Proceedings* 47: 19-23 1973.

"The decline in the human environment of an area dependent on coal mining is linked to the mining-induced decline of the physical environment in a complex series of interrelationships". Study was conducted in Monongalia County, West Virginia.

Transportation

1632. ACUFF, REECE
The coal rail rate structure and fourth section relief.
Thesis. University of Tennessee. 1953.
1633. ADELMAN, M. A.
American coal in Western Europe. *Journal of Industrial Economics* 14: 199-211 1966.

The principle obstacle to the use of more American coal in Europe is "a very high railroad freight rate in the U. S., discriminatory against exports".
1634. AMERICAN RAILWAY ASSOCIATION. CONFERENCE COMMITTEE
WITH UNITED STATES COAL COMMISSION
Report. Washington, 1923. 104p.
1635. AMERICAN RAILWAY ASSOCIATION. SPECIAL COMMITTEE ON
NATIONAL DEFENSE
Bituminous coal in the United States; plan for the distribution of bituminous coal in the United States to secure the minimum of rail transportation. Washington: GPO, 1918. 67p.
1636. ASSOCIATION OF AMERICAN RAILROADS. RAILROAD COMMITTEE
FOR THE STUDY OF TRANSPORTATION
Bituminous coal and lignite. Washington, 1946. 135p.
1637. ASSOCIATION OF AMERICAN RAILROADS. RAILROAD COMMITTEE
FOR THE STUDY OF TRANSPORTATION
Report on anthracite and bituminous coal. Washington, 1947. 97p.
1638. AUDE, T. C. AND OTHERS
Slurry-pipeline systems for coal, other solids come of age.
Oil & Gas Journal J1 21, 1975 66-72.

In many situations, slurry pipelines offer lower costs than new lines or truck transport over existing roads.

1639. BALLERT, ALBERT G.
The coal trade of the Great Lakes and the Port of Toledo. *Geographical Review* 38: 194-205 1948.
1640. BALLERT, ALBERT G.
The Great Lakes coal trade; present and future. *Economic Geography* 29: 48-59 1953.
1641. BANKS (R. L.) AND ASSOCIATES
Market and transportation factors affecting future export of United States coal to Ontario and Quebec. Washington, 1969. 1 vol. v. p.
1642. BARTLETT, J. H.
Transport of coal in the Ohio and the lower Mississippi. Institute of Civil Engineers. *Proceedings* 134: 334-51 1898.
1643. BEMENT, ALBURTO
Shipping mines and coal railroads of Illinois and Indiana. Chicago, 1903. 54p.
"Issued with the compliments of the Peabody Coal Company."
1644. BLISS, J. A.
What is the role of competition in transporting utility fuel. *Railway Age* N 12, 1962 36-7.
1645. BOGEN, JULES I.
The anthracite railroads; a study in American railroad enterprise. New York: Ronald Press, 1927. 281p.
1646. BOONE, JAMES W.
The econometric forecasting of national rail car requirements for bituminous coal, Dissertation. Pennsylvania State University, 1970. 160p.
The availability of sufficient rail cars has been a continuing problem in rail transport in general and coal transport in particular. The author attempts to create a general forecasting model which could be applied to determine quarterly carload requirements for the bituminous coal industry.
1647. CAMPBELL, THOMAS C.
The bituminous coal freight-rate structure; an economic appraisal. Morgantown: West Virginia University, 1954. 47p. (Its Business and Economics Studies 3: 3).

- 1647a. CAMPBELL, THOMAS C. AND SIDNEY KATELL
 Railroad volume freight rates: evolution and analysis *ICC Practitioners Journal* Jan/Feb 1977 146-61.
 Experimentation with freight rates is required. Rates designed on a single-car basis are no longer appropriate.
1648. CAMPBELL, THOMAS C.
 Transporting western coal: unit train or slurry pipeline. *Logistics and Transportation Review* 11: 147-52 1975.
 "The energy crisis and increasing output from the Western coal mines call for more study on low-cost long distance transportation."
1649. CARLSON, FRED A. AND FRANK SEAWALL
 Coal traffic on the Ohio River system. Columbus: Ohio State University, 1962. 49p. (Ohio State University. Bureau of Business Research. Monograph 107).
1650. CARUSO, JOHN A.
 The Coal & Coke Railway Company of West Virginia. *West Virginia History* 11: 62-69 1949.
1651. CHAMBERLAIN, J. W.
 Coal shipping on the Great Lakes. *Coal Age* 4: 188-91, 222-26, 268-70, 298-300, 1913.
1652. CHESAPEAKE AND OHIO RAILROAD COMPANY
 Notes on the coal trade of the Chesapeake & Ohio Railroad in its bearing upon the commercial interests of Richmond, Virginia. Richmond: Baughman, 1878. 12p.
1653. CLARK, PAUL R.
 Transportation economics of coal resources of northern slope coal fields, Alaska. Thesis. University of Alaska, 1973. 163p.
1654. COAL—ITS COST AND SUPPLY
Scientific American 7: 153 1862.
 "Coal which is sold at the mines in Pennsylvania for \$1.50 per ton, is sold for no less than \$5.50 in New York." A plea for better and cheaper transportation.
1655. A COAL PIPE LINE
Black Diamond 17: 213 1896.
 Report of an experiment near Pittsburgh. "The much discussed project of pumping the coal or coal dust to the sea coast from the mines has, it is claimed, been demonstrated a success."

1656. COAL ROAD FIFTY YEARS AGO
Colliery Engineer 8: 163 1888.
Brief account of the Danville & Pottsville R. R.
1657. COAL SHIPPING ON THE GREAT LAKES
Coal Age 4: 374-76, 408-11, 449-51, 531-33 1913.
1658. COLEMAN, ELIZABETH D.
Forerunner of Virginia's first railway. *Virginia Cavalcade*
Winter 1954 4-7.
Account of the development (1828) and operation of a thirteen-mile tramway which connected the James River and coal mines in Chesterfield County.
1659. CREDITOR, MORRIS
Rail-river-rail transportation of coal today and days ahead. West Virginia Coal Mining Institute. *Proceedings* 1953 93-100.
1660. CUVELLIER, I. C.
Coal shipping on the Great Lakes. *Coal Age* 4: 338-42 1913.
1661. DAHL, H. D. AND D. L. MC CAIN
Continuous underground slurry transport of coal. *Mining Congress Journal* My 1974 30-34.
1662. DAWSON, J. W.
Change of railroad rates in West Virginia. *Coal Age* 8: 973-75 1915.
Writer sees a conspiracy of the Pennsylvania R. R. and the Pittsburgh Coal Co. against the West Virginia operators.
1663. FIRST COAL RAILROAD
Coal 1: 303 1882.
Chesterfield Railroad Company (Virginia, 1828).
1664. FOSTER, JOHN W.
Mineral wealth and railroad development. New York, 1872. 60p.
Series of letters dealing largely with the development of the Indiana coal fields.

1665. GLOVER, THOMAS O. AND OTHERS
Unit train transportation of coal: technology and description of nine representative operations. Washington: GPO, 1970. 109p. (U. S. Bureau of Mines. Information Circular 8444).
1666. GREENBRIER COAL AND COKE CO. VS. NORFOLK AND WESTERN RAILWAY CO.
Coal & Coke J1 1, 1905 7-10.

Discussion and text of judicial decision concerning discrimination on the part of a railroad in the distribution of coal cars.
1667. GREENE, JOSEPH A.
History of the rate differentials on bituminous coal between southwestern Virginia and competing coal fields to the southeastern and Carolina territories. Thesis (M.A.). University of Virginia. 1943. 187p.
1668. GREINER, JOHN E.
Coal docks on the Great Lakes; report of an investigation made for the Baltimore & Ohio Railroad Company. Baltimore, 1914. 317p.
1669. GUTHEIM, A. G.
The transportation problem in the bituminous coal industry. American Economic Association. *Papers & Proceedings* 11: 94-105 1921.
1670. HARRISON, FAIRFAX
Hearings before a subcommittee of the Committee on Naval Affairs, United States Senate. . . Statement of Fairfax Harrison on behalf of Southern Railway Company, July 27, 1914. [Washington, 1941]. 49p.
1671. HARTMAN, R. A. AND J. R. REED
Feasibility study of the vertical transport of coal by pipeline. University Park: Pennsylvania State University, 1973. 95p. (Mineral Industries Experiment Station. SR-97).
1672. HEMPHILL, WILLIAM E.
Three-horse team. *Virginia Cavalcade* Autumn 1953 8-9.

Account of two-tongued wagon used to transport coal in Norfolk about 1915.
1673. HOLMES LESLIE A.
Pre-War truck movement of coal from Illinois mines. *Journal of Geography* 42: 333-38 1943.

1674. HUDSON, JAMES F.
The anthracite coal pool. *North American Review* 144: 43-54 1887.

A denunciation of the railroads for the attempt to control the price of coal.
1675. INDIANA COAL ASSOCIATION
Report of coal production by rail shipping mines in the state of Indiana, during calendar years 1917 to 1953, classified by counties, railroads, veins of coal, and type of operation. Terre Haute, 1954. n.p.
1676. JOHNSTON, RICHARD M.
Coal car distribution and handling in the Pocahontas region. Thesis. University of Pennsylvania. 1959.
1677. JONES, CHESTER L.
The anthracite-tidewater canals. *Ann. Amer. Acad.* 31: 102-16 1908.
1678. JONES, CHESTER L.
The economic history of the anthracite-tidewater canals. Philadelphia: University of Pennsylvania, 1908. 181p. (University of Pennsylvania. Series in Political Economy & Public Law No. 22).
1679. JONES, ELIOT
The commodity clause legislation and the anthracite railroads. *Quarterly Journal of Economics* 27: 579-615 1913.
1680. JOSLIN, FALCON
Government construction of railroads and leasing of coal lands. American Mining Congress. *Proceedings* 15: 167-84 1912.

Attack on government policies in Alaska.
1681. KEITH, HERBERT
Cheap coal; or the Boston & Northwestern, Massachusetts Central and Poughkeepsie railroads. Boston: Rand, 1877. 21p.
1682. KEITH, JEAN E.
The role of the Louisville and Nashville Railroad in the early development of Alabama coal and iron. Business History Society. *Bulletin* 26: 165-74 1952.

1683. KING, L. AND OTHERS
Optimal transportation patterns of coal in the Great Lakes region. *Economic Geography* 47: 401-13 1971.
1684. KING COAL'S HIGHWAY
Harper 64: 163-77 1882.

Account of the water transportation of coal from the Pittsburgh area to New Orleans.
1685. LAMBIE, JOSEPH T.
From mine to market; the history of coal transportation on the Norfolk and Western Railroad. New York: New York University, 1954. 380p.

A work of the first importance. Vital for an understanding of the history of the great coal fields of southern West Virginia.
1686. LARWOOD, GARY M. AND DAVID C. BENSON
Coal transportation practices and equipment requirements to 1985. Washington: GPO, 1976. 90p. (U. S. Bureau of Mines. Information Circular 8706).

Contains 61-item bibliography, pp. 54-57.
1687. LAUCK, W. J.
Freight rates on anthracite coal, 1914-1920. Washington, 1920. 12p.
1688. LAUCK, W. J.
Operating and financial performance of anthracite railroads. Washington, 1920. 29p.
1689. LOWERY, WILLIAM
Comparison of earnings between coal carrying and non-coal carrying railroads. Thesis. West Virginia University. 1950. 174p.
1690. MAC AVOY, PAUL W. AND JAMES SLOSS
Regulation of transport innovation: the ICC and unit coal trains to the east coast. New York: Random House. 1967. 143p.
1691. MC DOWELL, IRA L.
The Lake cargo coal rate controversy. Thesis. West Virginia University. 1932.

1692. MANSFIELD, HARVEY C.
The Lake cargo coal rate controversy; a study in governmental adjustment of a sectional dispute. New York. Columbia, 1932. 273p. (Columbia Studies in History, Economics and Public Law 373).
1693. MARSHALL, L. C.
The commodities clause [of the Hepburn Act]. *Journal of Political Economy* 17: 448-60 1909.
1694. MORAN, E. L.
Coal traffic of the Great Lakes. *Journal of Geography* 15: 150-59 1917.
1695. MORROW, J. D. A.
Transportation factor in the price of coal. Academy of Political Science. *Proceedings* 10: 116-27 1922.
1696. MOYER, REED
Requirement contracts and energy transportation developments in coal. *Southern Economic Journal* 31: 331-341 1965.

An examination of the economic and anti-trust aspects of contracts providing that the buyer purchase all his requirements of coal from the seller.
1697. MUTSCHLER, P. H. AND OTHERS
Comparative transportation costs of supplying low-sulfur fuels to midwestern and eastern domestic energy markets. Washington: GPO, 1973. 54p. (U.S. Bureau of Mines. Information Circular 8614).
1698. NEW JERSEY. LEGISLATURE. SENATE. COMMITTEE ON HIGHWAYS, TRANSPORTATION AND PUBLIC UTILITIES
Public hearing on Assembly bill 675 (coal slurry pipeline bill) held September 26, 1962. Trenton, 1962. 55p. proc.
1699. NEW YORK. LEGISLATURE. ASSEMBLY. RAILROADS COMMITTEE
Report relative to the coal combination. (Albany), 1878. 100p. (Assembly Doc. 128).
1700. NEW YORK (STATE). PUBLIC WORKS DEPT.
The New York State canals; the canal as a carrier of coal. Albany, 1918. 15p.
1701. NEWCOMB, HARRY T.
The anthracite carrying railroads. *Review of Reviews* 26: 66-69 1902.

1702. NORFOLK AND WESTERN TURNS COAL TO GOLD
Business Week N 18, 1950 112-16.
1703. PAGE, WILLIAM N.
West Virginia coal. *Engineering & Mining Journal* 81: 67-68 1906.

Stresses the importance of transportation in the southern coal fields.
1704. PARKER, W. J.
The great coal schooners of New England, 1870-1909. Mystic, Conn., 1948. 135p. (Publication of the Marine Historical Association 2: 6).
1705. PATTON, NORMAN F.
The economics of the distribution of anthracite. *AIME Transactions* 119: 405-17 1936.
1706. PHILADELPHIA AND READING RAILROAD COMPANY
Argument of Franklin B. Gowen, esq. before the joint committee of the Legislature of Pennsylvania, appointed to inquire into the affairs of the Philadelphia and Reading Coal and Iron Company . . . Philadelphia: Helfenstein, Lewis & Greene, 1875. 114p.
1707. PITTSBURGH. CHAMBER OF COMMERCE
Unjust and discriminatory freight rates of Pittsburgh district coal. Columbus, Ohio: Heer Printing Co., 1911. 44p.
1708. POWE, GEORGE R.
Economics of using western coal in Appalachian markets. *Mining Congress Journal* Je 1974 20-23.

By efficient use of unit trains and barges, Burlington Northern can deliver coal from Montana and Wyoming to powerplants in Appalachia at competitive prices.
1709. POWELL, H. BENJAMIN
Coal and Pennsylvania's transportation policy, 1825-1828. *Pennsylvania History* 38: 134-151 1971.

The development of the coal regions by the construction of canals was an important factor in Pennsylvania's transportation policy.
1710. RAILROAD VS. THE COAL INTEREST
Black Diamond 5: 170 1889/90.
1711. REITELL, CHARLES
Railway rates on bituminous and anthracite coal. *Ann. Amer. Acad.* 111: 155-164 1924.

1712. ROPIEQUET, R. W.
Coal freight rates—relativity and uniformity. American Mining Congress. *Proceedings* 19: 250-60 1916.
1713. ROTHFUS, ROBERT R.
Coal trains north: the Rochester and Pittsburgh Railroad Company. *Western Pennsylvania Historical Magazine* 54: 264-73 1971.

Rochester and Pittsburgh was one of several railroads competing for the coal trade from western Pennsylvania to the Great Lakes during the 1880's.
1714. ST. JOHN, ISAAC M.
Notes on the coal trade of the Chesapeake and Ohio Railroad in its bearing upon the commercial interest of Richmond, Va. n.p., 1878. 12p.
1715. SCAMEHORN, HOWARD L.
Transportation and coal: the development of the coal mining industry in Illinois, 1860-1890. Thesis. University of Illinois. 1952.
1716. SCRANTON, BOARD OF TRADE
Report of the transportation committee of the Scranton Board of Trade on the cheaper transportation of the smaller sizes of anthracite coal, and the value of culm or anthracite waste as a steam producer. Scranton, 1889. 24p.
1717. SHURICK, A.
An analysis of the coal car situation. *Coal Age* 4: 452-55 1913.
- 1717a. SLURRY TRANSPORT ASSOCIATION
Slurry transportation bibliography. Washington, 1977. 41p.
1718. TAYLOR, GLENN R.
Transportation of Kentucky coal by water. Kentucky Mining Institute. *Proceedings* 1956/57 10-21.
1719. TEXAS EASTERN TRANSMISSION CORPORATION
Coal pipelines; a handbook of facts on a new industry. Houston, 1962. 20p.
1720. TOENGES, ALBERT L. AND FRANK A. JONES
Truck vs. rail haulage in bituminous coal strip mines. Washington: GPO, 1938. 54p. (U.S. Bureau of Mines. *Report of Investigations* 3416).

1721. TRANSPORTATION FOR COAL
Coal Age J1 1974.

The July 1974 issue is devoted to transportation. All aspects are covered—from overland belt conveyors to railroads.

1722. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE

The alleged combination of the Philadelphia and Reading Railroad Company and other railroad and canal companies and producers of coal. Washington: GPO. 1892. 261p. (52nd Cong., 2nd Sess. House. Report 2278).

1723. U. S. CONGRESS. SENATE. COMMITTEE ON COMMERCE

Coal slurry pipeline. Washington: GPO, 1962. 246p.

Hearings on S. 3044; "a bill to amend the Interstate Commerce Act to grant to any carrier of coal by pipeline . . . the right of eminent domain."

1724. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINERALS, AND FUELS

Coal slurry pipelines. Washington: GPO, 1974. 242p.

1725. U. S. CONGRESS. SENATE. COMMITTEE ON NAVAL AFFAIRS

Transportation of coal. Washington: GPO, 1915. 901p.

"To investigate the natural and strategic advantages of Charleston, South Carolina, as compared with Norfolk and other Chesapeake Bay ports, as a permanent point for coal distribution."

1726. U. S. FEDERAL TRADE COMMISSION

Anthracite and bituminous coal. Washington: GPO, 1917. 420p. (65th Cong., 1st Sess. Senate. Document 50).

"A report and recommendations on the anthracite and bituminous coal situation and the relation of rail-and-water transportation to the present fuel problem."

1727. U. S. INTERSTATE COMMERCE COMMISSION

Alleged unlawful rates and practices in the transportation of coal and mine supplies by the Atchison, Topeka and Santa Fe Railway Company. Washington: GPO, 1905. 183p. (59th Cong., 1st Sess. Senate. Document 180).

1728. U. S. INTERSTATE COMMERCE COMMISSION

Investigation of railroad freight rate structure: coal. Washington: GPO, 1975. 71-409.

Ex Parte No. 270 (Sub-No. 4). Decided Dec. 3, 1974.

1729. U. S. INTERSTATE COMMERCE COMMISSION
Letter from the Interstate Commerce Commission submitting report of investigation in the matter of the relation of common carrier subject to the act to regulate commerce to coal and oil and the transportation thereof. Washington: GPO, 1914. (63d Cong., 2d Sess. House. Document No. 1124).
1730. U. S. INTERSTATE COMMERCE COMMISSION
Railroad discrimination and monopolies in coal and oil. Washington: GPO, 1909. 21p. (61st Cong., 1st Sess. Senate. Document 39).
1731. U. S. INTERSTATE COMMERCE COMMISSION
Report of investigation by Interstate Commerce Commission into railroad discriminations and monopolies in coal and oil. Washington: GPO, 1908. 23p. (60th Cong., 1st Sess. Senate. Document 450).
1732. U. S. RAILROAD ADMINISTRATION
Cars for coal shipments. Washington: GPO, 1919. 8p. (66th Cong., 1st Sess. Senate. Document 73).
1733. U. S. RAILROAD ADMINISTRATION
Distribution of coal and coke. Washington: GPO, 1920. 16p. (66th Cong., 2nd Sess. Senate. Document 235).
1734. U. S. TRANSPORTATION INVESTIGATION AND RESEARCH BOARD
The economics of coal traffic flow. Washington: GPO, 1945. 103p. (79th Cong., 1st Sess. Senate. Document 82).
1735. VOSKUIL, WALTER H.
Bituminous coal movements in the United States. *Geographical Review* 32: 117-27 1942.
- 1735a. WALKER, JAMES R.
Coal slurry pipelines and national transportation policy: a critical review. *Logistics and Transportation Review* 12: 261-71 1976.
1736. WARNER, LARKIN
The economics of transportation of Ohio coal. Dissertation. University of Indiana. 1960.
1737. WARNER, LARKIN
Railroad rates and the growth of coal trucking in Ohio. *Land Economics* 38: 231-39 1962.

1738. WASP, E. J.
Progress with coal slurry pipelines. *Mining Congress Journal* Apr 1976 27-32.
1739. WASP, E. J. AND T. L. THOMPSON
Slurry pipelines, energy movers of the future. *Oil and Gas Journal* Dec. 24, 1973 44-50.
1740. WHAT'S AHEAD FOR UNIT TRAINS
Railway Age Ap 20, 1964 16-20.
1741. WILLIAMS, WILLIAM H.
Anthracite development and railroad progress. American Irish Historical Society. *Journal* 22: 86-96 1923.

Account of the early development of transportation in the Pennsylvania anthracite area.
1742. YERKES, S. L.
Transportation as a factor in irregularity of coal mine operation. *Coal Age* 17: 439-42 1920.

Author advocates a national railroad car pool.

Government Regulation

Material dealing with the government regulation of surface mining is to be found in the section on surface mining.

1743. BAGGE, CARL E.
Coal and clean air law: a case for reconciliation. *Ecology Law Quarterly* 4: 479-93 1974/75.
1744. BAKER, RALPH H.
The National Bituminous Coal Commission: Administration of the Bituminous Coal Act, 1937-1941. Baltimore: Johns Hopkins, 1941. 356p. (Johns Hopkins University. Studies in Historical and Political Science 59: 3).
1745. BALSLEY, HOWARD L.
A political-economic solution to the coal problem. *Western Political Quarterly* 3: 620-28 1950.

Excess production could be controlled by the proper use of government power—especially taxation.
1746. BITUMINOUS COAL CONSERVATION ACT (GUFFEY ACT) HELD UNCONSTITUTIONAL
MLR 43: 68-74 1936.
1747. CLYDE, EDWARD W.
Coal mining, development and processing—the associated water problems. *Rocky Mountain Mineral Law Institute* 21: 163-97 1975.

Expansion of coal mining in the West will increase the competition for water. Author examines the legal problems involved.
1748. CODE FOR COAL
Fortune O 1933 56-63

Effect of the NRA on the coal industry in general and the Pittsburgh Coal Co. in particular.

1749. COLEMAN, MC ALISTER
How to run coal. *Nation* 164: 242-45 1947.
Advocates a federal coal agency.
1750. COMMITTEE ON PUBLIC ADMINISTRATION CASES
The consumer's counsel and the National Bituminous Coal Commission. Washington: Committee on Public Administration Cases, 1949. 87p.
1751. CONAWAY, ORRIN B.
Coal mining: new efforts in an old field. *Ann Amer. Acad.* 400: 95-102 1972.

Account of the various state and federal approaches to the regulation of coal mining. The Federal Coal Mine Health and Safety Act of 1969 represents a major step by the federal government in assuming responsibility for regulation.
1752. CONNER, ELI
What is to become of the anthracite coal industry. *Coal Age* 5: 912-17 1914.

If the railroads must part with their coal holdings, it is suggested that the industry be governed by a board of commissioners.
1753. DEMPSEY, STANLEY
Forest Service regulations concerning the effect of mining operations on surface resources. *Natural Resources Lawyer* 8: 481-510 1975.
1754. DEVINE, EDWARD T.
The outlook for a permanent solution of the coal problem in the United States. Academy of Political Science. *Proceedings* 10: 727-42 1924.

More government regulation is required if the industry is not to destroy itself.
1755. DICK, CHARLES
Relation of the federal government to mining. American Mining Congress. *Proceedings* 11 pt. 2: 18-37 1908.
1756. EAVENSON, HOWARD N.
Regulation of the coal industry. AIME. *Transactions* 119: 380-9 1936.
1757. ENERGY & ENVIRONMENTAL ANALYSIS, INC.
Laws and regulations affecting coal. Washington, 1976.
v. p.

1758. FORBES, J. J. AND OTHERS
Federal coal mine inspection—a decade of progress. Washington: GPO, 1951. 47p. (U. S. Bureau of Mines. Information Circular 7625).
1759. GANDY, HARRY L.
A proposal that the coal industry be let alone. *Quarterly Journal of Economics* 39: 484-88 1925.

A reply to "A proposal for regulation of the coal industry" by John E. Orchard.
1760. GARFIELD, JAMES R.
The federal government in its relation to the mining industry. American Mining Congress. *Proceedings* 11 pt. 2: 88-97 1908.
1761. GARNSEY, CYRUS AND OTHERS
How prices of bituminous coal were fixed by the Fuel Administration. *Coal Age* 14: 685-89, 736-39 1918.
1762. GARNSEY, CYRUS AND OTHERS
Methods of fixing prices of bituminous coal adopted by The U. S. Fuel Administration. AIME. *Transactions* 61: 346-70 1918.
1763. GERMAN, RALPH H.
The Pennsylvania Bituminous Coal Mine Act of 1961. *Pennsylvania Bar Assoc. Quarterly* 33: 229-33 1962.
1764. GOLDENWEISER, E. A.
Report of the Bituminous Coal Commission. *American Economic Review* 10: 401-7 1920.

A commentary on the findings of the Commission.
1765. GREEN, EDWARD M. AND WILLIAM A. GERSHUNY
Job transfer—a unique feature of Coal Mine Health and Safety. *Natural Resources Lawyer* 5: 23-33 1972.
1766. GUFFEY COAL CASE
Harvard Law Review 59: 664-74 1946.
1767. HALL, DANIEL
Montana coal: the Alamo of interstate commerce. *North Dakota Law Review* 51: 439-56 1974/75.

"In the face of determined efforts by Montana to subject the interstate commerce in coal fuel to local interests in mine control, Congress has not come to the rescue of the besiged coal industry".

1768. HARDESTY, DAVID C.
Case study of legislative implementation: the Federal Coal Mine Health and Safety Act of 1969. *Harvard Journal on Legislation* 10: 99-137 1972/73.
1769. HARRISON, GEORGE
Duties of the federal and state governments in relation to the mining industry. American Mining Congress. *Proceedings* 11 pt. 2: 57-65 1908.
1770. HOLLAND, CHARLES T.
Current and proposed regulations and legislation on water pollution concerning the Appalachian Coal Industry. Morgantown: West Virginia University Coal Research Bureau, 1969. 25p. (Technical report 42).
1771. HUNT, EDWARD E.
The recommendations of the United States Coal Commission. *Ann. Amer. Acad.* 111: 249-55 1924.
Author was Secretary of the Commission.
1772. HUNT, EDWARD E.
What the coal commission found; an authoritative summary by the staff. Baltimore: Williams Wilkins, 1925. 416p.
1773. INTER-UNIVERSITY CASE PROGRAM
The Consumers' Counsel and the National Bituminous Coal Commission, 1937-1938. Rev. Ed. Washington, 1950. 120p.
1774. JOHNSEN, JULIA E.
Government regulation of the coal industry. New York: H. W. Wilson, 1926. 144p.
1775. JOHNSEN, JULIA E.
Selected articles on government ownership of coal mines. New York: H. W. Wilson, 1923. 392p.
1776. JOHNSON, JAMES P.
Drafting the NRA Code of Fair Competition for the bituminous coal industry. *Journal of American History* 53: 521-41 1966/67.
Account of the forces at work, the personalities, compromises etc. involved in drafting the Code.

1777. JOHNSON, VIRGINIA B.
Economic aspects of national regulation of the bituminous coal industry, 1933-43. Thesis. West Virginia University. 1950.
1778. LESHY, JOHN D. AND TERRY R. LASH
A black mark: failure of the federal coal-leasing policy. *Environment* Dec 1975 6-13.

Corporate profits, rather than the national interest, have played far too great a role in the federal policy on the leasing of western coal lands.
1779. LEWIS, WILLIAM D.
Coal price regulation and the constitution. *Ann. Amer. Acad.* 111: 292-304 1924.
1780. LOVING, RUSH
How Kennecott got hooked with Catch-22. *Fortune* Sept 1971 99-101.

Discussion of the ruling that Kennecott must divest itself of Peabody Coal Co.
1781. MC ADAM, DUNLAP J.
Coal, government ownership or control; government ownership of navy coal land and control of the coal industry. New York, 1921. 188p.
1782. MAGUIRE, JOHN
Early Pennsylvania coal mine legislation. Schuylkill County Historical Society. *Publication* 4: 337-40 1914.
1783. MASSAY, GLENN F.
Legislators, lobbyists and loopholes: coal mining legislation in West Virginia 1875-1901. *West Virginia History* 32: 135-70 1971.
1784. MILLER, ARNOLD
UMWA recommendations for black lung amendments. *Labor Law Journal* 26: 199-206 1975.
1785. MILLER, E. WILLARD
Penn Township—an example of local government control of strip mining in Pennsylvania. *Economic Geography* 28: 256-60 1952.
1786. MULLAN, JOSEPH W.
The coal industry and the clean air problem. *Natural Resources Lawyer* 3: 96-102 1970.

1787. NATIONAL ACADEMY OF PUBLIC ADMINISTRATION
The coordination of federal and state coal mine health and safety programs with special reference to the Federal Coal Mine Health and Safety Act of 1969. Washington. 1971.
1788. NEW YORK PUBLIC LIBRARY
Nationalization of coal mines; a list of references. New York, 1920. 11p.
1789. ORCHARD, JOHN E.
The coal situation and the coal parliament: a rejoinder. *Quarterly Journal of Economics* 39: 644-51 1925.
1790. ORCHARD, JOHN E.
A proposal for regulation of the coal industry. *Quarterly Journal of Economics* 39: 196-240 1925.
1791. PAUL, J. W.
State mine inspection in coal mining states. American Mining Congress. *Proceedings* 12: 239-57 1909.
A state-by-state survey.
1792. PRATT, JOHN B.
Federal control of coal mines an economic fallacy. Washington, 1923. 31p.
1793. ROBERTS, JAMES A. AND SCOTT H. MABRY
Bituminous Coal Conservation Act of 1935. *George Washington Law Review* 4: 244-57 1936.
1794. ROGERS, WILLIAM H.
Comment on the coal lease forfeiture decision: the hypothetical case of United States v. Peabody Coal Co. *Natural Resources Journal* 15: 257-63 1975.
Author feels that the public interest would have been served by the cancellation of Peabody's Western coal leases obtained before 1973.
1795. ROSTOW, EUGENE
Bituminous coal and public interest. *Yale Law Review* 50: 543-94 1941.
An analysis of the history of the Bituminous Coal Act of 1937, "which has failed, and in the nature of the coal industry, had to fall."
1796. ROY, ANDREW
A brief history of mining legislation in the State of Ohio. *Ohio Mining Journal* O 1888 21-25.

1797. ROY, ANDREW AND JOHN POLLACK
Report of Messrs. Roy and Pollack,, Miners' Committee to Columbus, to urge the passage by the Legislature of the Miners' Bill, for the ventilation and inspection of coal mines. Cincinnati, 1872. 22p.
1798. RYAN, JOHN A.
Anthracite and ethics. *Catholic World* 122: 297-306 1925.
"The fundamental needs of the industry are unified operation and pooling of expenses of production, preferably under public ownership and direction."
1799. SIMONDS, JEROME H.
Acquisition of rights to prospect for and mine coal from tribal and allocated Indian lands. *Rocky Mountain Mineral Law Institute* 21: 125-62 1975.
1800. SIMPSON, FLOYD R.
Price regulation and the public utility concept: the Sunshine Anthracite Coal Case. *Land Economics* 17: 378-79 1941.
1801. SUTHERLAND, HOWARD
Government controls of the coal industry; speech delivered before the Natural Resources Section of the Chamber of Commerce of the United States, at Washington, D. C., May 16, 1922. Washington: GPO, 1922. 8p.
1802. THOMPSON, CAROL L.
Should the coal mines be nationalized. *Forum* 112: 285-95 1949.
1803. TRACHTENBERG, ALEXANDER
The history of legislation for the protection of coal miners in Pennsylvania, 1824-1915. New York: International Publishers, 1942. 239p.
1804. TRISKO, RALPH L.
Bituminous coal industry of the United States, with special reference to Federal regulations. Thesis. Georgetown University. 1943.
1805. U. S. CONGRESS. HOUSE
Bituminous Coal Act of 1936, report submitted by Mr. Doughton from the Committee on Ways and Means. Washington: GPO, 1936. 25p. (74th Cong., 2d Sess. House. Report 2832).

1806. U. S. CONGRESS. HOUSE
Bituminous coal conservation bill of 1935. Report with majority and minority views. Washington: GPO, 1935. 61p. (74th Cong., 1st Sess. House. Report 1800).
1807. U. S. CONGRESS. HOUSE
Coal Investigation Agency, report submitted by Mr. Bland of Indiana, from the Committee on Labor, to accompany H. R. 11022. Washington: GPO, 1922. 7p. (67th Cong., 2d Sess. House. Report 984).
1808. U. S. CONGRESS. HOUSE
Extension of the Coal Act. Report submitted by Mr. Bolland, from the Committee on Ways and Means, Washington: GPO, 1941. 28p. (77th Cong., 1st Sess. House. Report. 324).
1809. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Federal Coal leasing. Washington: GPO, 1975. 169p.
1810. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINES AND MINING
Prohibition of railroad leasing of federal coal lands. Washington: GPO, 1976. 143p.
1811. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON PUBLIC LANDS
Public land coal leasing policy. Use of off-road vehicles. Washington: GPO, 1973. 78p.
1812. U. S. CONGRESS. HOUSE. COMMITTEE ON WAYS AND MEANS
Extension of Bituminous Coal Act of 1937, hearings, 78th Congress, 1st Session, on H. R. 356, H. R. 1454, and H. R. 2296, bills to amend bituminous coal act, as amended, June 21-July 5, 1943. Washington: GPO, 1943. 974p.
1813. U. S. CONGRESS. SENATE
Constitutionality of Bituminous Coal Conservation Act of 1935, argument of Honorable John Dickinson, Assistant Attorney General of the United States before the Supreme Court of the United States in behalf of the government of officer defendants in the case of Carter v. Carter Coal Co., Helvering, Et Al, March 12, 1936, in support of the constitutionality of the Bituminous Coal Conservation Act of 1935. Washington: GPO, 1936. 42p. 74th Cong., 2d Sess. Senate. Doc. 197.

1814. U. S. CONGRESS. SENATE
Extension of the Bituminous Coal Act of 1937. Report submitted by Mr. Bone, from the Committee on Interstate Commerce. Washington: GPO, 1941. 4p. (77th Cong., 1st Sess. Senate. Report 169).
1815. U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LABOR
Regulate interstate and foreign commerce of coal; report to accompany S. 4177 (To regulate interstate and foreign commerce in coal and to promote general welfare dependent on use of coal). Washington: GPO, 1926. 8p. (69th Cong., 1st Sess. Senate. Report 812).
1816. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINERALS, MATERIALS, AND FUELS
Federal coal leasing amendments act of 1975. Washington: GPO, 1975. 680p.
1817. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Bituminous coal commission. Hearings . . . on S. 4490, a bill to regulate interstate and foreign commerce in bituminous coal, provide for consolidations, mergers, and cooperative marketing; regulate the fuel supply of interstate carriers; require the licensing of corporations producing and shipping coal in interstate commerce; and to create a bituminous coal commission, and for other purposes. Washington: GPO, 1929. 352p.
1818. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Extension of Bituminous Coal Act of 1937. Hearings . . . on S. J. Res. 22, S. J. Res. 32, H. J. Res. 101 and H. R. 4146, joint resolutions and an act to extend the provisions of the Bituminous Coal Act of 1937 for a period of two years, and for other purposes. April 2 and 3, 1941. Washington: GPO, 1941. 106p.
1819. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Stabilization of the bituminous coal mining industry. Washington: GPO, 1935. 624p.
Hearings on S. 1417, the bill to establish a National Bituminous Coal Commission.

1820. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
Price regulation of coal and other commodities. Washington: GPO, 1917. 398p.
1821. U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE
To regulate interstate commerce in bituminous coal, hearings before subcommittee, 75th Congress, 1st Session, on S. 1, Mar 9, 1937. Washington: GPO, 1937. 260p.
1822. U. S. CONGRESS. SENATE. COMMITTEE ON MINES AND MINING
Hearings on S. 2935; a bill "to regulate interstate and foreign commerce in bituminous coal . . . and to create a Bituminous Coal Commission." Washington: GPO, 1932. 1351p.
1823. U. S. DEPARTMENT OF THE INTERIOR
Regulations governing coal land leases in the Territory of Alaska . . . with information regarding coal lands. Washington: GPO, 1916. 86p.
1824. U. S. LIBRARY OF CONGRESS. CONGRESSIONAL RESEARCH SERVICE
Resolved: that the Federal Government should control the supply and utilization of energy in the United States. Washington: GPO, 1973. 477p.
"A collection of excerpts and bibliography relating to the intercollegiate debate topic, 1973-74."
1825. WEST VIRGINIA. MINING COMMISSION
Report of the Mining Commission appointed by the Governor to revise the mining laws of the state. Charleston: Tribune Printing Co., 1907. 77p.
Published also in West Virginia. Public Documents. 1905-1906 v3. Deals largely with mine safety.
1826. WHEELER, EDWARD K. AND JOHN W. SNOW
Proposals for administrative action under the Federal Coal Mine Health and Safety Act of 1969. *Natural Resources Lawyer* 3: 248-65 1970.
1827. WESTFIELD, JAMES AND OTHERS
Administration of the Federal Coal Mine Safety Act, 1952-61. Washington: GPO, 1962. 56p. (U. S. Bureau of Mines. Information Circular 8133).

1828. ZIEGLER, MARTIN
Social legislation for the protection of coal miners in Pennsylvania. Thesis. Penn State College. 1947.

Environmental Effects

Material dealing with the environmental effects of surface mining is to be found in the section on surface mining.

1829. AARONSON, TERRI
Problems underfoot: environmental effects of underground mining and of mineral processing. *Environment* Nov 1970 16-29.
1830. APPALACHIAN REGIONAL COMMISSION
Acid mine drainage in Appalachia. Washington, 1969. 126p.

A useful overview of the problem, written for the layman. More detailed and technical information is to be found in the six-volume appendix.
1831. BAGGE, CARL E.
Coal and the environment. *Public Utilities Fortnightly* Sept. 2, 1971 79-84.
1832. BERKOWITZ, DAVID A. AND ARTHUR M. SQUIRES
Power generation and environmental change. Cambridge: MIT Press, 1971. 440p.
1833. BETHELL, THOMAS N. AND DAVITT MCATEER
The Pittston mentality: manslaughter on Buffalo Creek. Huntington, W. Va., Appalachian Movement Press, 1972. 26p.

Account of the Buffalo Creek flood disaster and the actions of the Pittston Coal Company in permitting the conditions that caused it.
1834. BIESECKER, J. E. AND J. R. GEORGE
Stream quality in Appalachia as related to coal mine drainage. Washington: U. S. Geological Survey. Circular 526, 1966. 27p.

1835. BIKERMAN, JACOB J.
Treatment of acid mine drainage. Washington: GPO, 1971.
88p.
1836. BLAKELY, J. WES
Coal's ultimate problem can be an opportunity. *Coal Mining & Processing Ag* 1976 42-45.

The "ultimate problem" is the increasing amount of slurry-like wastes being produced.
1837. BODLE, WILLIAM W. AND K. C. VYAS
Clean fuels from coal. *Oil & Gas Journal Ag* 26, 1974 73-88.
1838. BUFFALO CREEK
Mountain Life and Work Mr 1972 3-8.
1839. BUFFALO CREEK: MORE EVIDENCE AGAINST PITTSSTON
Mountain Life and Work Ag 1972 30-36.

Summarizes the findings of the citizen's commission to investigate the Buffalo Creek disaster and includes an open letter to the stockholders of the Pittston Co.
1840. CAUDILL, HARRY M.
Buffalo Creek aftermath. *Saturday Review Ag* 26, 1972 16-17.

Criticizes the "apparent consensus . . . that nothing either extensive or costly shall be undertaken to prevent future disaster."
1841. CITIZENS' COMMISSION TO INVESTIGATE THE BUFFALO CREEK DISASTER
Disaster on Buffalo Creek 1972; report. Charleston, W. Va. 1972. 30p.
1842. COAL PRODUCERS COMMITTEE FOR SMOKE ABATEMENT
Smoke and air pollution, a study. Cincinnati, Ohio. 195? 4 vols.
1843. COALGATE, JERRY L. AND OTHERS
Gob pile stabilization, reclamation, and utilization. Morgantown: West Virginia University, Coal Research Bureau, 1973. 127p.
- 1843a. COALGATE, JERRY L.
Literature survey—coal associated wastes. Morgantown: West Virginia University, 1973. 140p. (Coal Research Bureau. Report 115).

Covers the period 1900 - 1972.

1844. COCHRAN, WILLIAM
Mine subsidence—extent and cost of control in a selected area. Washington: GPO, 1971. 32p. (U. S. Bureau of Mines. Information Circular 8507).

The selected area was in western Pennsylvania.
1845. CONSOLIDATION COAL COMPANY
Coal, Consol and the environment; a special report of Consolidation Coal Company. Pittsburgh, 1971? 36p.

Achievements and research in environmental reclamation and pollution control by a large coal company. Well illustrated.
1846. DANIELSON, V. A. AND D. H. WHITE
Waste disposal costs at two coal mines in Kentucky and Alabama. Washington: GPO, 1969. 28p. (U. S. Bureau of Mines. Information Circular 8406).
1847. DAVIES, WILLIAM E. AND OTHERS
West Virginia's Buffalo Creek flood. Washington: GPO, 1972. 32p. (U. S. Geological Survey. Circular 667).
1848. DEE, NORBERT
Financing abatement of mine drainage pollution: case study Appalachia. *Water Resources Bulletin* 8: 473-82 1972.
1849. DOERR, ARTHUR H.
Coal mining and changing land patterns in Oklahoma. *Land Economics* 38: 51-56 1962.
1850. DOYLE, F. J. AND OTHERS
Investigation of mining related pollution reduction activities and economic incentives in the Monongahela River Basin. Beaver, Pa.: Baker Inc., 1975. v.p.

"This study provides information on feasible economic incentives which will encourage the private sector and others to undertake environmental improvement activities on abandoned and active mines in the Monongahela River Basin."
- 1850a. DOYLE, WILLIAM S.
Deep coal mining: waste disposal technology. Park Ridge, N. J.: Noyes Data Corp., 1976. 392p.
1851. ENVIRONMENTAL RESEARCH AND APPLICATIONS, INC.
Concentrated mine drainage disposal into sewage treatment systems; the disposal of acid brines from acid mine drainage in municipal wastewater treatment. Washington, 1971. 76p.

1852. GEER, MAX RICHARD
Disposal of solid wastes from coal mining in Washington, Oregon, and Montana. Washington: GPO, 1969. 39p. (U. S. Bureau of Mines. Information Circular 8430).
1853. GRUBE, WALTER E. AND OTHERS
Mine spoil potentials for water quality and controlled erosion. Washington: U. S. Environmental Protection Agency, 1971. 206p.
1854. HALLIBURTON COMPANY
New mine sealing techniques for water pollution abatement. Washington: GPO, 1970. 163p. (Water Pollution Control Series).
1855. HEBLEY, HENRY F.
Stream pollution by coal mine wastes. *Mining Engineering* 5: 404-12 1953.
1856. HERNDON, LYLE K.
Acid mine drainage from West Virginia coal mines. Thesis. West Virginia University, 1934. 124p.
1857. HUDSON, HUGH H.
Water for Wyoming coal. *Water Spectrum* 7 (1) 41-46 1975.

Water requirements of an expanded coal industry will be great, and it is uncertain if they can be met at acceptable economic, environmental and social costs.
1858. IMPACTS OF MINE DRAINAGE POLLUTION ON LOCATION OF MANUFACTURING INDUSTRY IN APPALACHIA
New York: Fantus Co., 1969. 25p. and appendices.

Appears as Appendix D of "Acid Mine Drainage in Appalachia, A Report by the Appalachian Regional Commission."
1859. KATZ, MAX
Biological and ecological effects of acid mine drainage with particular emphasis to the waters of the Appalachian Region. Washington: Appalachian Regional Commission, 1969. 65p.

Appears as Appendix F to "Acid Mine Drainage in Appalachia, A Report by the Appalachian Regional Commission."
1860. KINNEY, EDWARD C.
Extent of acid mine pollution in the United States affecting fish and wildlife. Washington: GPO, 1964. 27p. (U. S. Fish and Wildlife Service. Fish and Wildlife Circular 191).

1861. KOLBASH, RONALD L.
A study of Appalachia's coal mining communities and associated environmental problems. Dissertation. Michigan State University, 1975. 88p.
1862. KREBS, GIRARD
Technological and social impact assessment of resource extraction: the case of coal. *Environment and Behavior* 7: 307-29 1975.
1863. LARKIN, R. P. AND OTHERS
Anthracite refuse pollution and socio-economic planning in northeastern Pennsylvania. University Park: Pennsylvania State University, 1972. 80p. (Mineral Industrial Experiment Station. SR-90).
1864. LAUCK, REX
Miners clobbered again: disaster hits Buffalo Creek Hollow. *United Mine Workers Journal* Mar 15, 1972 2-6.
1865. LORENZ, WALTER C.
Progress in controlling acid mine water; a literature review. Washington: GPO, 1962. 40p. (U. S. Bureau of Mines. Information Circular 8080.)
1866. MAC CARTNEY, JOHN C. AND RALPH H. WHAITE
Pennsylvania anthracite refuse: a survey of solid waste from mining preparation. Washington: GPO. 1969. 77p. (U. S. Bureau of Mines. Information Circular 8409).
1867. MINE DRAINAGE POLLUTION AND RECREATION IN APPALACHIA.
Washington: R. R. Nathan, 1969. 114p.
Appears as Appendix E of "Acid Mine Drainage in Appalachia, A Report by the Appalachian Regional Commission."
- 1867a. MINEAR, ROGER A. AND OTHERS
Environmental aspects of coal production in the Appalachian Region. Knoxville: University of Tennessee Environment Center, 1976. 93p.
A progress report covering the period June 1, 1975—May 31, 1976.
1868. MONNETT, OSBORN AND OTHERS
Smoke-abatement investigations at Salt Lake City, Utah. Washington: GPO, 1926. 98p. (U. S. Bureau of Mines. Bulletin 254).

1869. MONONGAHELA RIVER MINE DRAINAGE REMEDIAL PROJECT
Handbook of pollution control costs in mine drainage management. Washington: U. S. Federal Water Pollution Control Administration, 1966. 54p.
1870. NUGENT, TOM
Death at Buffalo Creek: the 1972 West Virginia flood disaster. New York: W. W. Norton, 1973. 191p.
1871. O'BRIEN, WILLIAM S.
Treatment of acid mine drainage. Dissertation. West Virginia University. 1972. 370p.
1872. PRICE, TOM
Who killed Buffalo Creek? *Rolling Stone* Jan 3, 1974, 28-32.
1873. ROBERTS, ELLIS W.
A history of land subsidence and its consequences caused by the mining of anthracite coal in Luzerne County, Pennsylvania. Ph.D. New York University. 1948.
1874. SCHLICK, DONALD P.
Federal interest in coal mine waste disposal. Washington, 1975. 15p. (Mining Enforcement and Safety Administration. Information Report 1023).
1875. SCHLOTTMANN, ALAN M.
Environmental regulation and the allocation of coal: a regional analysis. Dissertation. Washington University, 1975. 272p.
1876. SKELLY & LOY
Coal mine drainage in the Susquehanna River Basin. Harrisburg, Pa., 1973. 297p.

Records the severity and causes of coal mine drainage in the area, proposes abatement measures, and examines the costs of those measures.
1877. SMITH, RONALD W.
Acid mine pollution effects on lake biology. Washington: U. S. Environmental Protection Agency, 1971, 132p. (Water pollution control research series).

Includes a most useful bibliography.

1878. SPICER, T. S.
Pennsylvania anthracite refuse; a summary of a literature survey on utilization and disposal. University Park: Pennsylvania State University, 1971. 43p. (Mineral Industries Experiment Station. SD-79).
1879. STERN, GERALD M.
Buffalo Creek disaster. New York: Random House, 1976. 274p.
"The story of the survivor's unprecedented lawsuit."
1880. STUDY COMMITTEE TO ASSESS THE FEASIBILITY OF RETURNING UNDERGROUND COAL MINE WASTES TO THE MINED-OUT AREAS
Underground disposal of coal mine wastes. Washington, D. C.: National Academy of Sciences, 1975. 172p.
1881. TENNESSEE VALLEY AUTHORITY. OFFICE OF HEALTH AND ENVIRONMENTAL SCIENCE
Policies relating to sources of coal used by Tennessee Valley Authority for electric power generation. Final environmental impact statement, December 6, 1971. Chattanooga, Tenn., 1972.
1882. TOWNS BUILT OVER A FURNACE
Business Week My 4, 1963 98-100.
Towns in eastern Pennsylvania are being endangered from fires burning in old coal mines.
1883. TRUAX-TRAER COAL CO.
Control of mine drainage from coal mine mineral wastes. Washington: GPO, 1971.
1884. U. S. ARMY. CORPS OF ENGINEERS
Buffalo Creek (W. Va.) disaster, 1972. Prepared for the Subcommittee on Labor of the Committee on Labor and Public Welfare, United States Senate. Washington, U. S. Govt. Print Off., 1972-, pt. 1-.
Documents and statements concerning the circumstances surrounding the flood disaster.
- 1884a. U. S. COMPTROLLER GENERAL
Federal and state efforts to control water pollution caused by acid drainage from mines. Washington: GPO, 1973. 61p.

1885. U. S. CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERATIONS. CONSERVATION AND NATURAL RESOURCES SUBCOMMITTEE
Adverse effects of coal mining on Federal reservoir projects. Washington, 1973. 634p.
1886. U. S. FEDERAL WATER POLLUTION CONTROL ADMINISTRATION
Stream pollution by coal mine drainage in Appalachia. Cincinnati, 1969. 261p.

Appears as Attachment A to Appendix C of "Acid Mine Drainage in Appalachia, A Report by the Appalachian Regional Commission."
1887. U. S. OFFICE OF COAL RESEARCH
Clean energy from coal technology. Washington: GPO, 1973. 43p.
1888. VICTOR, RICHARD H.
Environmental politics of the coal industry. Dissertation. University of Pittsburgh, 1975. 482p.
1889. WAHLER AND ASSOCIATES
Reconnaissance survey report of coal mine refuse dumps and impoundments. Palo Alto, 1974, 6 vols.

Covers the states of Alabama, Kentucky, Ohio, Pennsylvania, Virginia and West Virginia.
1890. WALTON, MARY
After the flood; a continuing lesson in corporate insensitivity. *Harper's Magazine* Mr 1973 78-85.

The Buffalo Creek disaster.
1891. WATER RESOURCES SCIENTIFIC INFORMATION CENTER
Acid mine water: a bibliography. Washington: U. S. Department of the Interior, 1975. 564p.
1892. WEST VIRGINIA. GOVERNOR'S AD HOC COMMISSION OF INQUIRY
The Buffalo Creek flood disaster; official report and addenda. Charleston, W. Va., 1973 2v.
1893. WEST VIRGINIA UNIVERSITY. COAL RESEARCH BUREAU
Underground coal mining methods to abate water pollution; a state of the art literature review. Environmental Protection Agency. Washington: GPO, 1970. 50p.

1894. WHITMAN, IRA L. AND OTHERS
Impact of mine-drainage pollution on industrial water users in Appalachia. Columbus: Battelle Memorial Institute, 1969. 166p.
Appears as Appendix A to "Acid Mine Drainage in Appalachia, A Report by the Appalachian Regional Commission."
1895. WILLIAMS, FRANK E.
Some effects of culm in the Schuylkill River. Geographical Society of Philadelphia. *Bulletin* 27: 273-81 1929.
Waste (culm) from anthracite mining had become a serious pollution problem by the 1920's.

Surface Mining

Strip mining is old as a practice but new as a problem. Stripping attracted little public attention until well after World War II. However, by 1960 the vast increase in the amount of land being stripped and the obvious damage to the ecology made stripping a major public issue. Well over a thousand books, articles and reports have appeared. These range from the highly technical to the polemical. An effort has been made here to list the more significant and interesting titles. Those who wish additional information should examine the several specialized bibliographies (items 1912, 1965, 1986, 2058, 2128A).

1896. ABDNOR, JOSEPH S.
Industry and the environment: mined land reclamation. *Mining Congress Journal* Ja 1969 60-64.

Author holds that the regulation of strip mining should be left to state and local officials; it should not become a responsibility of the federal government.
1897. ALEXANDER, ROY
Television commercials help defeat surface mine abolition push in West Virginia. *Coal Age* June 1971 82-85.

President of N. Y. public relations firm recounts methods used to defeat efforts to abolish surface mining.
1898. ANDERSON, DAVID H.
Strip mining on reservation lands. *Montana Law Review* 35: 209-226 1974.

A review of policy and practice.
- 1898a. ANDREUZZI, FRANK C.
Reclaiming strip-mined land for recreational use in Lackawanna County, Pa. Washington: GPO, 1976, 21p. (U.S. Bureau of Mines. Information Circular 8718).
1899. ASHTON, ROBERT
Progress comes to Black Mesa. *National Parks & Conservation Magazine* Sept 1971 4-9.

"Black Mesa is irreplaceable to the Navaho and Hopi Indians who call it home. To see their way of life and their land lost to our thirst for electric power would be tragic indeed."

1900. ATWOOD, GENEVIEVE
Strip-mining of western coal. *Scientific American* Dec. 1975 23-29.

A relatively few strip mines in the west can produce great amounts of coal. Adequate reclamation adds little to the price of coal.

1901. AUSTIN, RICHARD C. AND PETER BORELLI
The strip mining of America. New York: Sierra Club, 1971. 109p.

"The report is written for the nonprofessional with the belief that his understanding of the extent and severity of this problem will lead toward corrective action."

1902. AVERITT, PAUL
Stripping coal resources of the United States—January 1, 1970. Washington: GPO, 1970. 34p. (USGS Bulletin 1322).

"A review and analysis by States of data available on the stripping—coal potential of the United States. Supersedes Bulletin 1252-C."

- <1903. BAILEY, KENNETH R.
Development of surface mine legislation. *West Virginia History* 30: 525-29 1969.

Author traces the development of legislation regulating strip mining in West Virginia.

1904. BALZER, J. L.
Venture into reclamation. *Mining Congress Journal* Jan 1975 24-29.

Account of the reclamation program of the Utah International Inc. which operates the large Navajo mine in New Mexico.

1905. BARNES, P.
Stripping the prairies: mining the coal because it is there. *New Republic* Mr 24, 1973 19-21.

- <1906. BEESON, A. C.
Regulation of strip or open cut coal operations. West Virginia Coal Mining Institute. *Proceedings* 1946: 9-24.

"The regrading of spoil areas is the rock on which most of the stripping legislation has split. Public opinion generally is in favor and the mining interests violently opposed to it with much propaganda of various kinds put out." Deals largely with conditions in West Virginia.

1907. BERISFORD, FRANK D.
The strip mining of bituminous coal. MBA Thesis. University of Pennsylvania (Wharton School). 1948.
1908. BERSTEIN, P. J.
UMW and strip mining: the curse of coal. *Nation* 217: 168-72 1973.

Discussion of the UMWA's position on strip mining.
1909. BERRY, WENDELL
Strip mining morality; the landscaping of hell. *Nation* Jan 24, 1966 96-100.

The Kentucky poet sums up the devastation of the land by the coal companies and suggests corrective measures.
1910. BIG MUSKIE: KING OF THE GIANTS
Coal Age Dec 1969 50-61.

Account of the "World's largest dragline" and its use at the Central Ohio Coal Co.'s operation near Cumberland, Ohio. The bucket capacity is 220 cu. yds.
1911. BINDER, DENIS
A novel approach to reasonable regulation of strip mining. *University of Pittsburgh Law Review* 34: 339-74 1972/73.
1912. BITUMINOUS COAL RESEARCH, INC.
Reclamation of coal-mined land: a bibliography with abstracts. Monroeville, Pa., 1975. 188p.

Comprehensive, well-annotated bibliography.
1913. BLACK MESA PLAN: ENERGY TODAY, BETTER LAND TOMORROW
Coal Age Mr 1971 78-82.

"Good reclamation procedures and concern for the environment rated top consideration in Peabody Coal's plans for the development of the Black Mesa coal reserves."
- ✓ 1914. BLAKELY, J. WES AND RICHARD H. MASON
City of 20,000 is possible on former strip mine site. *Coal Mining and Processing* Sept 1973 47-51.

Reclamation efforts will result in much-needed level land in the upper Kanawha Valley, W. Va.
1915. BLAKELY, J. WES
New cities for Appalachia—will they be denied? *Coal Mining and Processing* Jan 1974 49-54.

More level land is required for growth of cities and general economic development in Appalachia. In many areas, "The extraction of coal through surface mining is the only economically feasible way the region would ever secure such level land."

1916. BLAKELY, J. WES
Surface mining in Appalachia. *Coal Mining & Processing* Je 1974 36-39.
Describes mining methods of three eastern Ky. firms which "illustrate how coal can be successfully taken in this region. . . , and the land returned to far more useful purposes than it was in its original state."
1917. BLAKELY, J. WES
The Western scene. *Coal Mining & Processing* Je 1974 40-45.
"Out where the West is still to be won, things are pretty hectic: Indians wheel and deal, drill rigs are at a premium, and the environmentalists resemble a Patton armored division".
1918. BOCCARDY, JOSEPH A.
Effects of surface mining on fish and wildlife in Appalachia. Washington: GPO, 1968. 20p. (U. S. Bureau of Sport Fisheries and Wildlife. Resource Publication 65).
1919. BOETTNER, JOHN L. AND OTHERS
Strip mining, can it be legally abolished by an act of congress? Charleston, W. Va.: Appalachian Research and Defense Fund, Inc., 1971. 29p. (ARDF Public Interest Report No. 1-A).
1920. BOSSELMAN, FRED P.
The control of surface mining: an exercise in creative federalism. *Natural Resources Journal* 9: 136-65 1969.
Pressure for the regulation of surface mining has been felt at all levels of government. "The resulting contest, in which federal, state and local authorities each vie for position while the conservation groups and affected industries push and shove from the sidelines, is an interesting test of federalism to produce regulatory systems at three levels of government which neither duplicate each other nor leave gaping holes."
1921. BOTTOMLEY, J. A.
History and development of strip mining in Illinois. Illinois Mining Institute. *Proceedings* 52: 90-100 1944.
"Coal stripping began in the Danville area in 1866."

1922. BOVENIZER, ROBERT V. AND JAMES G. AULT
Surface mining of coal. *Mining Congress Journal* Feb 1967 138-42.

Includes a useful history of the stripping activities of the Hanna Coal Co., a division of Consolidation Coal Co.
1923. BOWDEN, KENNETH L. AND RICHARD L. MEIER
Should we design new "Badlands?" *Landscape Architecture* 51: 224-29 1961.

Stripped land could be made into attractive recreational areas. Rather than restoring stripping land to its natural state, authors suggest that such lands be made into recreational areas by creating new "badlands," especially in the "topographically monotonous" Midwest.
1924. BRANSCOME, JAMES
Destroy to save? *Environment* Sept 1975 6-11.

"Obsession with cheap electrical power has led (TVA) to destroy the land by promoting massive strip-mining."
1925. BRANSCOME, JAMES
Paradise lost. *Southern Exposure* Summer/Fall 1973 20-41.

Exposes the role of Peabody Coal Co. and TVA in the strip mining of Appalachia with the cooperation of governmental institutions.
1926. BRANSON, BRANLEY A.
Stripping the Appalachians. *Natural History* Nov 1974 52-61.

Assessment of the ecological effects of strip mining. Strong anti-strip mining position taken.
1927. BREDEWEG, HARRY W.
Showplace of exploitation. *Engage/Social Action* Je 1974 28-33.

Account of a meeting on strip mining held at Clinch Valley College, Wise, Va.
1928. BRESLIN, JOHN J. AND RICHARD J. ANDERSON
Observations on the surface mining of coal. Columbus: Battelle Memorial Institute, 1974. 94p.

Observations on the technical problems of mining and reclamation by a team of experts. Sixteen stripping operations in the U. S. and three in Germany were visited.
1929. BRISTOW, J. W.
Land reclamation by Illinois coal strippers. *Coal Mine Modernization Yearbook* 1948: 285-90.

Author opposes government regulation on the grounds that "too often such laws stifle the incentive and imagination of operators to the point where they are content to comply with the minimum of the statute requirements rather than explore the possibilities of more profitable land uses."

1930. BROCK, SAMUEL M.
Auger mining for coal in southern West Virginia: costs and benefits. Morgantown: West Virginia University, 1972. 9p. (Appalachian Center, Office of Research and Development. Supplement to Research Series 1).
1931. BROCK, SAMUEL M.
Benefit-cost analysis of surface coal mining. *Mining Engineering* May 1969 75-77.
1932. BROCK, SAMUEL M. AND DAVID B. BROOKS
The Myles Job Mine, a study of benefits and costs of surface mining for coal in northern West Virginia. Morgantown: West Virginia University. 1968. 61p. (Appalachian Center, Office of Research and Development. Research Series 1).
1933. BROM, THOMAS
The southwest: America's new Appalachia. *Ramparts* Nov 1974 19-20.
1934. BROOKS, DAVID B.
The impact of surface mine regulation on the coal industry; the case of Kentucky. In American Institute of Mining, Metallurgical and Petroleum Engineers. Council of Economics. *Proceedings* 1969: 65-92.

An examination of strip mining regulations within the state and an analysis of the costs incurred by reclamation efforts.
1935. BROOKS, DAVID B.
Strip mine reclamation and economic analysis. *Natural Resources Journal* 6: 13-44 1966.

"The three goals of national productivity, quality of the environment, and local employment together represent a rationale for public policy on strip and auger mining." Data are insufficient for intelligent formulation of policy, and a major effort must be made to collect same.
1936. BROWN, ROBERT E.
Regulation of surface mining reclamation in Wyoming. *Land & Water Law Review* 9: 99-125 1974.

1937. BURROUGHS, WILBUR G.
Coal stripping in the United States. *Coal Industry* 2: 1-5, 56-61, 107-10, 143-46, 177-82, 322-28, 494-98 1919.

A series of articles which give a comprehensive picture of the practices and problems of the coal stripping industry at the close of World War I. Reclamation is not mentioned.
1938. CALLAHAN, JOHN C. AND JACQUELINE C. CALLAHAN
Effects of strip mining and technological change on communities and natural resources in Indiana's coal mining region. Purdue University. Agricultural Experiment Station. Research Bulletin 871, 1971. 43p.
1939. CAMPBELL, ROBERT S. AND OWEN T. LIND
Water quality and aging of strip-mine lakes. Water Pollution Control Federation. *Journal* 41: 1943-55 1969.

"This paper proposes that most strip-mine lakes easily may be classified into one of two successional stages-acid or alkaline. Many strip-mine lakes are at first acid and with time become alkaline."
- ◁1940. CARDI, VINCENT
Strip mining and the 1971 West Virginia Surface Mining and Reclamation Act. *West Virginia Law Review* 75: 319-69 1973.
1941. CARLSON, CLARENCE G. AND WILSON M. LAIRD
Study of the spoil banks associated with lignite strip mining in North Dakota. Grand Forks: North Dakota Geological Survey, 1964. 28p. (Its Miscellaneous Series 24).
1942. CAUDILL, HARRY M.
Farming and mining: there is no land to spare. *Atlantic* Sept 1973 85-90.

Eloquent description of the ills of strip mining and the limits of recamation.
- √1943. CAUDILL, HARRY M.
My land is dying. New York: Dutton, 1971, 144p.

Much of Appalachia is already dying from the effects of strip mining and other states are threatened. The book is dedicated to "those unborn millions who must someday inherit America's spoil banks."
- √1944. CAUDILL, HARRY M.
Offense against America. *Audubon Magazine* 68: 356-59 1966.

An impassioned protest against destruction of the landscape in the Southern Appalachians by the coal industry.

1945. CAUDILL, HARRY M.
The rape of the Appalachians. *Atlantic Ap* 1962 37-42.
A sharp attack on the strip mining industry and the TVA for "the savage destruction of the mountain region by the strip miners."
1946. CAUDILL, HARRY M.
Strip mining: partnership in greed. *American Forest My* 1973 16-19.
1947. CEDARSTROM, D. J.
Hydrologic efforts of strip mining west of Appalachia. *Mining Congress Journal* Mr 1971 46-50.
"West of Appalachia, strip-mined land can be managed to diminish floods, increase low flow and become a significant source of water."
1948. CENTER FOR SCIENCE IN THE PUBLIC INTEREST
Enforcement of strip mining laws in three Appalachian states. Washington, 1975. 100p.
Study of the enforcement of laws and regulations regarding strip mining in Kentucky, West Virginia and Pennsylvania.
1949. CHARMBURY, H. B.
Strip mining-a necessary evil? *State Government* 47: 209-13 1974.
1950. CHASE, NINA R.
A benefit-cost analysis of Ohio's reclaimed coal strip-lands. Thesis. Ohio State University. 1967. 119p.
1951. CHIRONIS, NICHOLS P.
West Virginia haulback method . . . a modern way of surface mining. *Coal Age* Jan 1974 66-68.
Account of the Grafton Coal Co.'s experience with the haulback (block) method of stripping.
1952. CLYDE, EDWARD W.
Legal problems imposed by requirements of restoration and beautification of mining properties. *Rocky Mountain Mineral Law Institute* 13: 187-231 1967.
1953. COAL STRIPPING, RUSH RUN, OHIO
Coal Age Ja 22, 1916 161-62.
"The coal stripping absolutely destroys the land for farming purposes. . . It is hard to imagine what further use could be made of such land."

1954. CONAWAY, JAMES
Last of the West: hell, strip it. *Atlantic* Sept 1973 91-4+.
"Stripping eastern Montana and the surrounding country amounts to the destruction of what's left of the West."
1955. CONNER, ELI T.
Anthracite and bituminous mining. *Coal Age* Oct 21, 1911 42-45.
Author states that the first stripping "on an extensive scale was undertaken by Aric Pardee, at his Hollywood colliery, near Hazleton, Penn., in 1881. This work was commenced by the late Capt. William I. Conner, my father. who introduced the first steam shovel used for this purpose in the anthracite field."
1956. CONTROVERSY OVER PROPOSED U. S. REGULATION OF SURFACE MINING OF COAL
Congressional Digest 53: 131-60 1974.
This issue is devoted to an examination of the controversy.
1957. CORNFORTH, CAROL
Treated waste water solids fertilize strip-mined lands. *Coal Mining & Processing* Mr 1972 36-41.
The Metropolitan Sanitary District of Greater Chicago is using its "liquid fertilizer" to reclaim an initial 7,000 acres of strip mined land in Fulton County, Illinois.
1958. CORNFORTH, CAROL
Surface mining of the future. *Coal Mining & Processing* Ja 1974 75-90.
"If the industry is not all but abolished under federal legislation, a fantastic, exciting future is ahead for surface mining, particularly in the West".
1959. COST ANALYSIS OF MODEL MINES FOR STRIP MINING OF COAL IN THE UNITED STATES
Washington: GPO, 1972. 116p. (U.S. Bureau of Mines. Information Circular 8535).
"This Bureau of Mines study develops the basic costs of producing coal and lignite from stripping operations hypothetically located in the bituminous, subbituminous, and lignite fields of the United States."
1960. COUNCIL OF STATE GOVERNMENTS
Surface mining; extent and economic importance, impact on natural resources and proposals for reclamation of mined land. Chicago, 1964. (Its RM 369).

1961. CRAIG, ROY
Cloud on the desert. *Environment* J1/Ag 1971 20-35.

Account of the damage to the environment caused by power plants, burning strip-mined coal, in the Four Corners area of the Southwest.
1962. CRANE, W. R.
Coal stripping by steam shovel in Kansas. *Engineering & Mining Journal* 74: 615-17 1902.
1963. CULVER, HAROLD E.
Preliminary report on coal stripping possibilities in Illinois. Illinois Geological Survey. Cooperative Mining Series. Bulletin 28. 1925. 61p.
- <1964. CYRNAK, ANTHONY W.
Effect of regulation on external diseconomies: surface mining in northern West Virginia, 1960-1970. Ph. D. West Virginia University. 1972. 262p.
1965. DALSTED, NORMAN L. AND F. L. LEISTRITZ
Selected bibliography on coal-energy development of particular interest to the Western states. Fargo: North Dakota Agricultural Experiment Station, 1974. 82p. (Agricultural economics miscellaneous report, no. 16).

Very useful. Emphasis is on surface mining and the problems associated therewith.
1966. DANA, SAMUEL T.
Stearns case; an analysis. *American Forest* S 1955 18-19.

Important decision in which the Stearns Coal & Lumber Co. was denied right to strip in the Cumberland National Forest.
1967. DEASY, GEORGE F. AND PHYLLIS R. GRIESS
Coal strip pits in the northern Appalachian landscape. *Journal of Geography* 58: 72-81 1959.

Description of strip mining pits-size, shape, etc.,-and their adjoining landscape.
1968. DEASY, GEORGE F. AND PHYLLIS R. GRIESS
Terrain damages resulting from bituminous coal stripping in Pennsylvania. Pennsylvania Academy of Science. *Proceedings* 34: 124-30 1960.
1969. DICKMAN, IRVING
The strip-mine reclamation program in Ohio. *Ohio Journal of Science* 64: 165-68 1964.

1970. DIETRICH, CHARLES C.
Mined land reclamation in the western United States. *Rocky Mountain Mineral Law Institute* 16: 143-205 1971.
1971. DINKEL, R. M. AND LEE GUERNSEY
An economic appraisal of reclamation practices on a strip coal mine site in Greene County, Indiana. Indiana Academy of Science. *Proceedings* 78: 355-62 1968.
1972. DONLEY, ROBERT T.
Some observations on the law of the strip-mining of coal. *Rocky Mountain Mineral Law Institute* 11: 123-68 1966.
1973. DOYLE, WILLIAM S.
Strip mining of coal; environmental solutions. Park Ridge, N. J.: Noyes Data Corp., 1976. 352p.
"Based on 19 government reports issued from 1967 through 1974".
1974. DREESE, GEORGE R. AND HAROLD L. BRYANT
Cost and effects of a water quality program for a small stripping company-southeastern Ohio. *Water Resources Bulletin* 8: 320-27 1972.
"The conclusions of this study were that the small company could not unilaterally implement mine drainage programs because the added costs would seriously worsen its already precarious financial position." This paper summarizes a larger study by the same authors: Cost and effects of a water quality program for a small strip mining company. Alexandria, Va.: U. S. Army Engineers Institute for Water Resources, 1971. 150p. (IWR Report 71-7).
1975. DRUM, E. C.
Coal mining by stripping method. *Coal Industry* 1: 68-69 1918.
1976. DUGGAN, CARROLL AND OTHERS
Evaluation of municipal compost for strip mine reclamation. *Compost Science My/Je* 1973 4-8.
"Four years of tests by the Tennessee Valley Authority prove the effectiveness of composted municipal wastes in producing vegetative cover on coal strip mine sites".
1977. DUNLAP, LOUISE C.
Analysis of the legislative history of the Surface Mining Control and Reclamation Act of 1975. *Rocky Mountain Mineral Law Institute* 21: 11-58 1975.

1978. EDGERTON, B. R. AND OTHERS
Revegetating bituminous strip mine spoils with municipal wastewater. *Compost Science JI/Ag* 1975 20-25.

Experiments indicate that the use of treated municipal wastes can facilitate revegetation.
1979. EVANS, ROBERT J. AND JOHN R. BITLER
Coal surface mining reclamation costs: Appalachian and Midwestern coal supply districts. Washington: GPO, 1975. 50p. (U. S. Bureau of Mines. Information Circular 8695).
1980. EVANS, WILLIAM B. AND ROBERT L. PETERSON
Decision at Colstrip. *Pacific Northwest Quarterly* 61: 129-36 1970.

Account of strip-mining operation at Colstrip, Montana maintained by the Northern Pacific Railroad in the early 1920's.
1981. EVANS, WILLIAM B.
Public response to strip mining in Montana, 1920's to 1973. *Montana Business Quarterly* Summer 1973 16-20.

"A historian documents the lack of public response to strip mining in Montana for half a century".
1982. FALTERMAYER, EDMUND
Clearing the way for the new age of coal. *Fortune* My 1974 214-19+.

"In short, we can have it both ways-both the fuel and the mending of the land".
1983. FELDMAN, JULIAN
The development of a regulatory policy for the coal strip-ping industry in Ohio. Thesis. Ohio State University. 1950.
1984. FOREMAN, W. E.
Impact of higher ecological costs on surface mining. Blacksburg, 1974. 170p.

Research conducted by VPI's Division of Minerals Engineering for the U. S. Bureau of Mines.
1985. FRANKLIN, BEN A.
What price coal? *New York Times Magazine* Sept 29, 1974. 26-7+.

Report on the move to strip mine North Dakota's vast lignite reserves.

1986. FRAWLEY, MARGARET L.
Surface mined areas: control and reclamation of environmental damage, a bibliography. Washington: U. S. Department of the Interior. Office of Library Services, 1971. 63p. (Bibliography Series 27).

Contains 387 references published from 1960 through June, 1970 concerning "soil shifts, chemical modification and water pollution resulting from surface mining, and the restoration of mined areas for use and beauty."
1987. GASH, STEPHEN L. AND J. CARL BASS
Age, growth and population structures of fishes from acid and alkaline strip-mine lakes in southeast Kansas. Kansas Academy of Science. *Transactions* 76: 39-50 1973.
1988. GATES, LATHROP M.
Strip mine reclamation regulation. *Missouri Law Review* 39: 429-46 1974.

Account of the development and current status of the regulation of strip mining in Missouri.
1989. GEYER, WAYNE A.
Timber growth on graded and ungraded strip-mine spoil banks in southeast Kansas. Kansas Academy of Science. *Transactions* 74: 318-24 1972.
1990. GOLDBERG, EVERETT F. AND GARRETT POWER
Legal problems of coal mine reclamation. Washington: GPO, 1972. 236p. (U. S. Environmental Protection Agency. Water Pollution Control Research Series).

"A study in Maryland, Ohio, Pennsylvania and West Virginia."
- ★ 1991. GOLDSTEIN, MORRIS AND ROBERT S. SMITH
Land reclamation requirements and their estimated effects on the coal industry. *Journal of Environmental Economics and Management* 2: 135-49 1975.
1992. GORDON, SUZANNE
Black Mesa: the angel of death. New York: John Day, 1973. 113p.

Account of the damage done both to the environment and to the life style of the Hopi Indians by strip mining in the Black Mesa area of Arizona.
1993. GRAHAM, HERMAN D.
Economics of strip coal mining, with special reference to Knox and Fulton counties, Illinois, Dissertation. University of Illinois. 1948.

1994. GREEN, JERRY E.
The problem of reclamation of derelict land after coal strip mining in Appalachia. *Southeastern Geographer* Apr 1969 36-47.
1995. GREENBURG, WILLIAM
Chewing it up at 200 tons a bite. *Technology Review* Feb 1973 46-55.
"The destructive use of strip mining is blatant in Appalachia and becoming so in the West".
1996. GROFF, SIDNEY L.
Voluntary mined-land reclamation in Montana. *Mining Congress Journal* Oct 1969 45-50.
"The Montana statute requiring reclamation of surface-mined coal lands omits over-all specifications. Individual voluntary state-approved contracts contain specific requirements and stipulations relative to reclamation."
1997. GROWTH OF STRIP COAL MINING AND ITS EFFECT ON LABOR
MLR 33: 85-89 1931.
1998. GUERNSEY, LEE
Land use changes caused by a quarter century of strip coal mining in Indiana. Indiana Academy of Science. *Proceedings* 69: 200-209 1959.
1999. GUERNSEY, LEE
Reclamation of strip mined land in western Kentucky. *Journal of Geography* 59: 5-11 1960.
2000. GUERNSEY, LEE
Settlement changes caused by strip coal mining in Indiana. Indiana Academy of Science. *Proceedings* 70: 158-64 1960.
2001. GUERNSEY, LEE
Strip coal mine reclamation problems in Indiana. Indiana Academy of Science. *Proceedings* 74: 255-58 1964.
2002. GUERNSEY, JAMES L.
A study of the agriculture and rural settlement pattern of Vigo County, Indiana, with emphasis on the impact of strip coal mining. Dissertation. Northwestern. 1953.

2003. GWYNN, THOMAS A.
Mined land reclamation in Montana. *Natural Resources Lawyer* 7: 27-32 1974.
2004. HAAS, ALBERT
Switching to coal is buying trouble. *Business and Society Review* Winter 1974/75 52-57.
The social costs of massive stripping operations in the West are excessive and unnecessary.
2005. HAGEN, BRUCE
North Dakota's surface mining and reclamation law. *North Dakota Law Review* 50: 437-57 1973/74.
2006. HALF CENTURY OF STRIPPING . . . AND THE NEXT TEN YEARS
Coal Age Oct 1961 180-87.
A useful history of the industry.
2007. HANNAH, H. W. AND B. VANDERVLIT
Effects of strip mining on agricultural areas in Illinois and suggested remedial measures. *Land Economics* 15: 296-311 1939.
2008. HILL, JACK K.
Social and economic implications of strip mining in Harrison County. Thesis. Ohio State University. 1965.
Harrison County, Ohio.
2009. HOFFMAN, GLENN J. AND OTHERS
Annotated bibliography on slope stability of strip mine spoil banks. Ohio Agricultural Experiment Station. Research Circular 130, 1964. 92p.
Worldwide coverage. Entries are listed alphabetically by author. An excellent subject index is provided.
2010. HOLLISTER, G.
Future of federal programs in strip mining and restoration. Soil Conservation Society of America. *Proceedings* 1962 87-91.
2011. HOLMES, GRANT
Early coal stripping full of heartbreak. *Coal Age* My 29, Je 5, 1924 797-800, 835-39.
The coal stripping industry is said to have been "born" in Danville, Illinois. The author was a pioneer in the early strip mining industry.

2012. HOWARD, HERBERT A.
Are landowners underpaid or overpaid for surface mining mineral rights? *American Journal of Economics and Sociology* 30: 413-20 1971.
An analysis of the situation in eastern Kentucky.
2013. HOWARD, HERBERT A.
External diseconomies of bituminous coal surface mining; a case study of eastern Kentucky, 1960-1967. Dissertation. Indiana University, 1969. 223p.
A study of the Kentucky Reclamation Laws and their enforcement.
2014. HOWARD, HERBERT A.
A measurement of the external diseconomies associated with bituminous coal surface mining, Eastern Kentucky, 1962-1967. *Natural Resources Journal* 11: 76-101 1971.
2015. HUTNIK, RUSSELL J. AND GRANT DAVIS
Ecology and reclamation of devastated land. New York: Gordon and Breach, 1973. 2 vols.
The proceedings of the International Symposium on Ecology and Revegetation of Drastically Disturbed Areas held at University Park, Pennsylvania.
2016. ILLINOIS COAL STRIPPERS ASSOCIATION
The open cut coal mining industry of Illinois. Chicago, 1939. 37p.
2017. ILLINOIS. STRIP MINE INVESTIGATION COMMISSION
Report of Strip Mine Investigation Commission to the sixty-third General Assembly of Illinois. Chicago: Illinois Coal Strippers Association, 1943. 40p.
2018. IMHOFF, EDGAR A. AND OTHERS
Guide to state programs for the reclamation of surface mined coal. Washington: GPO, 1976. 33p. (USGS Circular 731).
- <2019. IMPLIED RIGHT TO STRIP MINE COAL
West Virginia Law Review 58: 174-84 1956.
2020. INDIANA COAL PRODUCERS ASSOCIATION
The story of open cut coal mining in Indiana. Terre Haute, 1940? 26p.

2021. JOHNSON, LINDA
Egypt Valley. *Mountain Life and Work* Jan 1973 15-18.
Account of the conflict between residents of Belmont Co., Ohio and the Hanna Coal Company.
2022. JONES, PAUL M.
Strip coal mining in Western Kentucky. Kentucky Mining Institute. *Proceedings* 4: 39-46 1943/44.
2023. JONES, W. G.
The new forest. Boalsburg, Pa.: Offset Centre, 1970. 58p.
"In central Pennsylvania a new and interesting forest is coming into being on the reclaimed but supposedly barren lands once stripped for bituminous coal."
2024. JOSEPHY, ALVIN M.
Agony of the northern plains. *Audubon* Jl 1973 68-101.
Excellent article describing the development of massive stripping operations in the northern plain states (Montana, Wyoming, Colorado and the Dakotas). Well illustrated.
2025. JOSEPHY, ALVIN M.
Murder of the southwest. *Aububon Magazine* Jl 1971 50-67.
Account of the damage to the land as well as to the Indian way of life by massive strip mining in the southwest.
2026. KELLER, ALVIN G.
Bituminous coal strip mines; some financial considerations. Pittsburgh: Mellon National Bank & Trust Company, 1951. 150p.
2027. KENTFIELD, CALVIN
New Showdown in the West. *New York Times Magazine* Ja 28, 1973 12+.
The concern of local residents over how a large strip mining industry would change the land and life style of the West.
2028. KENTUCKY. LEGISLATIVE RESEARCH COMMISSION
Strip mining; a 1954 Kentucky Legislative Problem. Frankfort. 1954. 15p. (Legislative Research Commission Information Bulletin No. 10).
2029. KENTUCKY STRIP MINING AND RECLAMATION COMMISSION
Strip mining in Kentucky. Frankfort, 1965. 56p.
A useful survey that includes a history of strip mining.

2030. KIESSLING, O.
The economics of strip coal mining. Washington: GPO, 1931. 32p. (Bureau of Mines. Economic Paper 11).
2031. KNEELAND, FRANK H.
Large stripping operation. *Coal Age* Sept. 25, 1915 497-501.

Account of stripping operation in the anthracite region of Pennsylvania. "Ten steam shovels and 35 locomotives are employed at this operation."
2032. KOENIG, ROBERT
Economics and techniques of strip coal mining. Colorado School of Mines. *Quarterly* 45, 2B (1950) 27-39.
2033. KREBS GIRARD
Technological and social impact assessment of resource extraction: the case of coal. *Environment and Behavior* 7: 307-29 1975.

Special attention is given to the problems created by strip mining in eastern Ohio.
- 2033a. LANDY, MARC K.
The politics of environmental reform: controlling Kentucky strip mining. Washington: Resources for the Future, 1976. 400p.
2034. LARSEN, THOMAS A.
Federal regulation of strip mining. *Environmental Affairs* 2: 533-61 1972/73.
2035. LEIBENGUTH, C.
Strip mining; covering the scars. *Science Digest* Dec 1974 70-76.
- 2035a. LIGHT, ED
The effects of modern strip mining on water resources. Charleston, W. Va.: Campaign Clean Water, 1975. 18p.
2036. LIMSTROM, G. A.
Forestation of strip-mined land in the central states. Washington: GOP, 1960. 74p. (USDA. Agricultural Handbook 166).
2037. LIMSTROM, G. A. AND G. H. DEITSCHMAN
Reclaiming Illinois strip coal lands by forest planting. Illinois Agricultural Experiment Station. *Bulletin* 547: 201-50 1951.

"Sweet gum was outstandingly promising for the stripped lands in Southern Illinois."

2038. LIMSTROM, G. A.
Revegetation of Ohio's strip-mined land. *Ohio Journal of Science* 64: 112-19 1964.
2039. LORING, ROBERT D.
The growth of strip coal mining in Indiana. Indiana Academy of Science. *Proceedings* 61: 184-86 1951.
"This paper will trace and attempt to account for the growth of the strip coal mining industry in Indiana from the year 1914 up to, and including, the year 1949."
2040. LORING, ROBERT D.
Strip coal mining areas of southwestern Indiana: their distribution, growth and restoration. Thesis. Indiana University. 1948.
2041. MC CULLOUGH, DAVID G.
The lonely war of a good angry man. *American Heritage* Dec 1969 97-113.
Account of Harry M. Caudill's continuing crusade against the ravages of strip mining.
2042. MACKEY, TERRENCE AND JAMES A. HARDEE
Regulation of open cut mining in Wyoming. *Land & Water Law Review* 5: 449-65 1970.
- 2041a. MC GINLEY, PATRICK C.
Prohibition of surface mining in West Virginia. *West Virginia Law Review* 78: 445-74 1976.
Analysis of some of the provisions of the West Virginia Surface Mining and Reclamation Act of 1971.
2043. MANEVAL, DAVID R.
Abandoned mine areas can be valuable assets. *Coal Mining & Processing* Ag 1976 52-56.
Stripping areas can be turned into valuable sites for industrial parks, airports, schools etc.
2044. MANEVAL, DAVID R.
Coal mining vs. environment: a reconciliation in Pennsylvania. *Appalachia* Feb/Mr 1972 10-40.
An interesting account of Pennsylvania's increasingly successful efforts to "reconcile coal mining and environment."

2045. MAY, MORTON AND ROBERT LANG
Reclamation of strip mine spoil banks in Wyoming. Laramie: Wyoming Agricultural Experiment Station, 1971. 32p. (*Its Research Journal* 51).
2046. MEDVICK, CHARLES
The Indiana coal industry surface mining reclamation program. Indiana Academy of Science. *Proceedings* 80: 346-50 1970.

"The Indiana coal mining industry operates the oldest continuous surface mining revegetation program in the country."
2047. MEINERS, ROBERT G.
Strip mining legislation. *Natural Resources Journal* 3: 442-49 1964.
2048. MERRITT, STEPHEN E.
Cimarron strip. *Coal Age* Jan 1972 78-83.

Account of the Cimarron Coal Co., a major stripping operation near Madisonville. Ky.
2049. MERZ, ROBERT
Character and extent of land stripped for coal in Kentucky. Kentucky Agricultural Experiment Station. *Circular* 66. 1949. 27p.
2050. MILLER, E. WILLARD
Strip mining and land utilization in western Pennsylvania. *Scientific Monthly* 69: 94-103 1949.
2051. MINTZ, ROBERT E.
Strip mining: a policy evaluation. *Ecology Law Quarterly* 5: 461-529 1976.
2052. MONTGOMERY, HUGH B.
Conscientious coal stripping. *Coal Age* Jl 1962 84-88.

Account of operation "directed to broad land-use benefits to the communities in the area and the economy in general."
2053. MORTON, ROGERS C.
Strip mining reform—some political and economic ideas. *Environmental Affairs* 2: 294-302 1972/73.
- <2054. MOUNTAIN COMMUNITY UNION
You can't put it back; a West Virginia guide to strip mine opposition. Fairmont, W. Va. 1976. 79p.

2055. MUCKELSTON, SANDRA
Strip mining reclamation requirements in Montana—a critique. *Montana Law Review* 32: 65-79 1971.
“Regulation of the reclamation process must be strengthened before acreage disturbed by strip-mining coal and other minerals and fuels reaches insurmountable proportions.”
2056. MUNN, ROBERT F.
The development of strip mining in Southern Appalachia. *Appalachian Journal* 3: 87-93 1975.
Strip mining was, with few exceptions, of little importance in the Southern Appalachian area until World War II.
- <2057. MUNN, ROBERT F.
The first fifty years of strip mining in West Virginia, 1916-1965. *West Virginia History* 35: 66-74 1973.
- <2058. MUNN, ROBERT F.
Strip mining: an annotated bibliography. Morgantown: West Virginia University Library, 1973, 110p.
- 2059. MUTMANSKY, JAN M.
Analysis of effects of legislation upon reserves and profits in contour surface mining. *Coal Age* Sept 1974 104-8.
2060. MYERS, LEROY O.
Bituminous coal stripping in Pennsylvania. *Western Pennsylvania Historical Magazine* 29: 35-52 1946.
2061. NASH, HARRY D.
Effects of strip mining on the microbiology of a stream free from domestic pollution. Dissertation. University of Kentucky. 1969. 111p.
2062. NEPHEW, E. A. AND R. L. SPORE
Costs of coal surface mining and reclamation in Appalachia. Oak Ridge, Tenn., Oak Ridge National Laboratory, 1976. 45p.
2063. OTTO, H. H.
Stripping in the anthracite region. AIME. *Transactions* 94: 181-89 1931.
2064. PACKER, PAUL E.
Rehabilitation potentials and limitations of surface-mined lands in the northern Great Plains. Ogden, Utah: Intermountain Forest & Range Experiment Station, 1974. 44p. (USDA Forest Service. General Technical Report INT-14).

2065. PAONE, JAMES AND OTHERS
Land utilization and reclamation in the mining industry, 1930-71. Washington: GPO, 1974. 61p. (U. S. Bureau of Mines. Information Circular 8642).
2066. PARSONS, FLOYD W.
Coal mining by open stripping in Pennsylvania. *Engineering & Mining Journal* 81: 1239-40 1906.
2067. PARSONS, JOHN D.
Factors influencing excessive flows of coal strip-mining effluents. Illinois Academy of Science. *Transactions* 49: 25-33 1956.
2068. PENNSYLVANIA. DEPT. OF MINES AND MINERAL INDUSTRIES
Operation Scarlift, the after effects of over 100 years of coal mining in Pennsylvania and current programs to combat them. Harrisburg, 1967 12p.

Text and photographs emphasizing the need for immediate reclamation of lands despoiled by strip mining.
2069. PERSSE, FRANKLIN H.
Strip-mining techniques to minimize environmental damage in the Upper Missouri River Basin states. Washington: GPO, 1975. 53p. (U. S. Bureau of Mines. Information Circular 8685).
2070. PFLEIDER, EUGENE P.
Surface mining. New York: American Institute of Mining, Metallurgical, and Petroleum Engineers, 1968. 1061p.

Written for the professional and covering all aspects of surface mining.
2071. PITTSBURGH. UNIVERSITY. GRADUATE CENTER FOR PUBLIC WORKS ADMINISTRATION
Effects of strip mining upon navigable waters and their tributaries: discussion and selected bibliography. Pittsburgh, 1972. 94p.
2072. PLASS, WILLIAM T.
Revegetating surface-mined land. *Mining Congress Journal* Apr 1974 53-59.

Purposes of article is to "review some of the important advances in revegetation techniques that may have national or regional applications".

2073. POLLARD, BENJAMIN C.
Stripable lignite reserve of North Dakota. Washington: GPO, 1972. 37p. (U. S. Bureau of Mines. Information Circular 8537).

Covers "location, tonnage, and characteristics of lignite and overburden."
- 2073a. POTKIN, ALLEN J.
Media access for environmentalists: breaking the stripmine information monopoly. Thesis. West Virginia University. 1972. 87p.
2074. PREATE, ERNEST D.
A new law for an old problem. *Appalachia* Feb/Mr 1972 41-53.

Account of the background and operation of Pennsylvania's Surface Mining Conservation and Reclamation Act of 1971.
2075. PRIEST, WHAYNE C., JR.
Reclamation of strip mine spoils. *Kentucky Law Journal* 50: 524-66 1962.

"The purpose of this article is to explain various legal methods and devices which Kentucky and other states have used or could use to ensure that all spoil banks will be reclaimed".
2076. PUNDARI, N. B.
Going into the West's coal fields. *Coal Age* May 1974 120-25.

"A checklist of key items to be considered for new surface mines".
2077. RAY, JOHN R.
Attitudes toward strip mining in Ohio. *East Lakes Geographer* 8: 13-24 1973.

"The study revealed an overall negative attitude toward stripping in the sample population and no significant regional variation in attitudes in this population toward the concept."
2078. RAY, JOHN R.
Strip mining in Ohio: a comparison of measured human attitudes and stated opinion. In *Extraction of Minerals and Energy: Today's Dilemma*, edited by R. A. Deju, pp. 235-49.
2079. RECLAIMING LAND FOR PROFIT
Coal Age Oct 1963 94-101.

Account of the extensive and successive reclamation projects of the Ayrshire Co. in Indiana, Illinois and Kentucky.

2080. REDDY, NALLANU N. AND CHARLES J BUEHLER
Strip mine regulation and reclamation: an attitude survey.
Arizona Review Mar 1974 1-5.
Based on a survey of several counties in W. Va., Pa., and N. Y., authors found that the public "is not in favor of a total ban but of enforcing regulation."
2081. REGIONAL CONFERENCE ON RECLAMATION OF SURFACE-MINED LAND FOR OUTDOOR RECREATION
Kent, Ohio: Kent State University, 1973. 124p.
2082. REGULATION OF STRIP MINING IN ALABAMA
Alabama Law Review 23: 423-88 1970/71.
Analysis of the 1969 Alabama Surface Mining Act and the events leading to its passage.
2083. REHABILITATION POTENTIAL OF WESTERN COAL LANDS
Cambridge: Ballinger Publishing Co., 1974. 198p.
A report to the Energy Policy Project of the Ford Foundation. This represents the most comprehensive study of the problem to date.
2084. REITZE, ARNOLD W.
Old King Coal and the merry rapists of Appalachia. *Case Western Reserve Law Review* 22: 650-737 1971.
"The subject of this article is the nature, scope, and effectiveness of the laws regulating the surface mining industry."
2085. RENKEY, LESLIE E.
Local zoning of strip mining. *Kentucky Law Journal* 57: 738-58 1968/69.
Kentucky strip mine laws do not distinguish between the relatively level western fields and the steeply pitched eastern fields. Author favors zoning ordinances enacted by local government units to help regulate stripping.
2086. RILEY, CHARLES V.
The ecology of water areas associated with coal strip-mined lands in Ohio. *Ohio Journal of Science* 60: 106-21 1960.
2087. RILEY, CHARLES V.
Revegetation and management of critical sites for wildlife. North American Wildlife Conference. *Transactions* 28: 269-83 1963.
Reclaimed strip lands can be made more productive for wildlife without great cost. Research was conducted in eastern and south-eastern Ohio during the period 1951-1962.

2088. ROGERS, NELSON F.
Strip-mined lands of the Western Interior Coal Province. Missouri Agricultural Experiment Station. Research Bulletin 475, 1951. 55p.

The Western Interior Coal Province includes parts of Arkansas, Oklahoma, Kansas, Missouri and Iowa.
2089. RUDD, R. D.
The Red Ember mine. *Journal of Geography* 59: 11-15 1960.

Account of large strip mine in west-central Illinois in operation since 1935.
2090. SAWYER, L. E.
Reclamation and conservation of stripped-over lands. *Mining Congress Journal* Jl 1946 26-36.

"Before regulatory laws are enacted, the industry should be given an opportunity to reclaim the land by its own method through its own organization."
2091. SCANLON, DAVID H. AND OTHERS
Evaluation of municipal compost for strip mine reclamation. *Compost Science* May/Je 1973 4-8.

"Four years of tests by the TVA prove the effectiveness of composted municipal wastes in producing vegetative cover on coal strip mine sites".
2092. SCHLOTTMANN, ALAN AND ROBERT L. SPORE
Economic impacts of surface mine reclamation. *Land Economics* 52: 265-76 1976.
2093. SCHNEIDER, DAVID A.
Strip mining in Kentucky. *Kentucky Law Journal* 59: 652-72 1970/71.

The broad form deed "continues to be a license to destroy, and elected officials still serve the vested interests of the coal owners rather than the good of the people".
2094. SCOBEE, BARRY
Strip-pit mining in Kansas. *Coal Age* 4: 606-8 1913.
2095. SEGERBERG, OSBORN
Power corrupts. *Esquire* Mr 1972 138-42.

"But the question before the TVA is, must cheap electric power corrupt absolutely." TVA's need for coal has led to the strip mining of large areas in Kentucky.

2096. SEITZ, WESLEY D.
Analysis of strip-mining and local taxation practices. *Illinois Agricultural Economics* 12: 23-30 1972.

Stripping has generally reduced the value of the land and thus the local tax revenues. Author discusses methods of insuring that this does not continue.
2097. SHAFFNER, M. N.
Bituminous coal strip mining in Pennsylvania. Pennsylvania Dept. of Internal Affairs. *Monthly Bulletin* Ja 1947 16-21.
2098. SHERWOOD, R. H.
Development of strip mining. *Mining Congress Journal* N 1945 31-34.

A brief history.
2099. SHOEMAKER, JOHN W. AND OTHERS
Strippable low-sulfur coal reserves of the San Juan Basin in New Mexico and Colorado. Socorro: New Mexico Bureau of Mines and Mineral Resources, 1971. 189p. (*Its Memoir* 25).
2100. SHOTTS, REYNOLDS Q.
Some problems of estimating strippable coal reserves of Alabama. *Alabama Academy of Science Journal* 42: 102-17 1971.
2101. SIEHL, GEORGE H.
The issues related to surface mining; a summary review with selected readings. Washington: GPO, 1971. 255p.
2102. SIEMS, GEORGE H.
The strip mining of bituminous coal in West Virginia; an analysis of past and present conditions. Thesis (M.B.A.), University of Pennsylvania, 1949. 137p.
2103. SINKS, ALFRED H.
Battle of the spoil banks. *Harper* 192: 432-38 1946.

Account of the conflicts caused by strip mining in Ohio.
2104. SITTERLEY, J. H.
Future land use in the Appalachian Plateau and its relation to strip-mine reclamation. *Ohio Journal of Science* 64: 106-11 1964.

2105. SMITH, JOSEPH B. AND OTHERS
Strippable coal reserves of Wyoming; location, tonnage, and characteristics of coal and overburden. Washington: GPO, 1972. 51p. (U. S. Bureau of Mines. Information Circular 8538).
"Total strippable reserves of 23 billion tons were estimated in seven major coal areas."
2106. SOPPER, WILLIAM E. AND OTHERS
Reclamation of a burned anthracite refuse bank with municipal sludge. *Compost Science* Mr/Ap 1976 12-19.
Account of successful experiment near Scranton, Pa.
2107. SOPPER, WILLIAM E.
Revegetation of strip mine spoil banks through irrigation with municipal sewage effluent and sludge. *Compost Science* Nov/Dec 1970 6-11.
"Preliminary results after two years of research indicate that municipal waste waters might be used to reclaim and revegetate many of the barren bituminous strip-mined spoil banks existing throughout the Appalachian region and restore them to a more esthetic and productive state."
2108. SPAULDING, WILLARD M. AND R. D. OGDEN
Effects of surface mining on the fish and wildlife resources of the United States. Washington: GPO, 1968. 51p. (U. S. Bureau of Sport Fisheries and Wildlife. Resource Publication 68).
2109. SPELTZ, CHARLES N.
Strippable coal resources of Colorado. Washington: GPO, 1976. 70p. (U. S. Bureau of Mines. Information Circular 8713).
2110. SPENCER, K. A.
Strip coal mining in the Southwest. *Mining & Metallurgy* 12: 147-48 1931.
2111. SPORE, ROBERT L.
The economic problem of coal surface mining. *Environmental Affairs* 2: 685-93 1972/73.
2112. STACHURA, JOHN A.
Solving safety problems related to surface coal mining. *Mining Congress Journal* Je 1976 75-79.
Account of program established by Amax Coal.

2113. STACKS, JOHN F.
Stripping. San Francisco: Sierra Club, 1972. 140p.
"A Sierra Club Battlebook." Introduction by Harry M. Caudill. A very useful work.
2114. STANFORD RESEARCH INSTITUTE
Study of surface coal mining in West Virginia. Menlo Park, Calif., 1972. 631p.
Prepared for the West Virginia Legislature. A detailed study of the costs and benefits of surface mining in West Virginia.
2115. STEAM-SHOVEL COAL STRIPPING IN THE DANVILLE DISTRICT
Coal Age Mr 11. 1916 448-52.
Interesting account of the methods of operation, wages, prices, etc., of the place and period.
2116. STEWART, CHARLES L.
Strategy in protecting the public's interest in land: with special reference to strip mining. *Land Economics* 15: 312-16 1939.
2117. STOEK, H. H.
Steam-shovel mining of bituminous coal. American Institute of Mining Engineers. *Transactions* 57: 514-49 1917.
One of the first extensive treatments of the subject.
2118. STRIP MINING BUILDS FOR ACCELERATED GROWTH
Coal Age Ag 1966 113-36.
Includes a useful illustrated history of the development of equipment used in surface mining.
2119. STRIP MINING FIGHT GOES NATIONAL
Mountain Life & Work Je/Jl 1972 18-27.
Report on the strip mine legislation presently before congress and the spreading controversy over strip mining.
2120. STRIP MINING, THE TOTAL BENEFIT INDUSTRY
Coal Age Apr 1966 93-116.
The strip mining industry has provided communities in strip mining areas with new recreational facilities, improved water supplies and many economic benefits.
2121. STRIPPING FOR COAL MINES
Coal 1: 120-21 1882.
Account of stripping operation in the Hazelton, Pennsylvania area.

2122. SURFACE MINED LAND IN THE MIDWEST: A REGIONAL PERSPECTIVE FOR RECLAMATION PLANNING
Argonne, Illinois: Argonne National Laboratory, 1975. v.p.
A detailed report on the problems and prospects of the reclamation of surface mined land.

<2123. SURFACE MINING ISSUE: A REASONED RESPONSE
Coal Age Mr 1971 92-102.

Discussion of the surface mining issue in West Virginia. With one exception, articles favor surface mining.

2124. SYMPOSIUM ON REVEGETATION AND ECONOMIC USE OF SURFACE-MINED LAND AND MINE REFUSE
Morgantown: West Virginia University School of Mines, 1972. 59p.

The proceeding of a symposium held December 2-4, 1971.

2125. TENNESSEE. DEPT. OF CONSERVATION AND COMMERCE
Conditions resulting from strip mining for coal in Tennessee. Nashville, 1960. 13p.

2126. TENNESSEE VALLEY AUTHORITY. OFFICE OF HEALTH & ENVIRONMENTAL SCIENCE
Policies relating to sources of coal used by the Tennessee Valley Authority for electric power generation. Chattanooga, 1971 v.p.

2127. TOENGES, ALBERT L.
Reclamation of stripped coal land. Washington: GPO, 1939. 11p. (U. S. Bureau of Mines. Report of Investigations 3440).

A useful overview of both the problems and possible solutions before World War II.

2128. TOMKINS, CALVIN
The seventeen-year locusts. *New Yorker* Je 10, 1972 125-30.

"Of all the ingenious methods by which industrial man has contrived to foul his own nest, nothing quite approaches in dramatic effect the sheer devastation of strip mining." An essay-review of Caudill's "My Land Is Dying."

- 2128a. TOMKINS, DOROTHY L.
Strip mining for coal. Berkeley: University of California, Institute for Government Studies, 1973. 86p.

A bibliography with emphasis on environmental and public policy aspects.

2129. TOOLE, K. ROSS
The rape of the great plains. Boston: Little Brown, 1976. 271p.

An attack on the efforts of coal companies to strip mine great areas in the Northwest.
2130. TREACY, JOHN
Measuring externalities of strip coal mining via property tax assessments. In *Extraction of Mineral and Energy: Today's Dilemma*, edited by R. A. Deju, pp. 251-61.
2131. TRUAX, CHESTER N.
Water storage potential of surface mined coal lands. *Mining Congress Journal* Nov 1965 40+.

Cast overburdens resulting from coal mining operations act as reservoirs for ground water.
2132. TUNG, HON-SHOUNG
Impacts of contour coal mining on streamflow. Dissertation. University of Tennessee. 1975. 138p.

"A case study of the New River Watershed, Tennessee."
2133. TURNER, SCOTT
Mining bituminous coal by stripping methods. Washington: GPO, 1930. 23p. (U. S. Bureau of Mines. Information Circular 6383).

A useful state-of-the-art article. It is one of the first important publications on stripping by the U. S. Bureau of Mines.
2134. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Surface Mining Control and Reclamation Act of 1976. Washington: GPO, 1976. 161p.

A report "together with additional, dissenting and separate views to accompany H. R. 9725".
2135. U. S. CONGRESS HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON ENERGY AND ENVIRONMENT
Surface mining veto justification briefing. Washington: GPO, 1975. 342p.

Hearing on the President's veto of H. R. 25.
2136. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINES AND MINING
Regulation of strip mining. Washington: GPO, 1972. 890p.

Contains statements of position by individuals and organizations on all aspects of strip mining. Much useful statistical information is also included.

2137. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS.
The issues relating to surface mining. Washington: GPO, 1971. 255p.

"A summary review, with selected readings." This compilation should be very useful in public and school libraries.

2138. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Surface mining briefing. Washington: GPO, 1975. 232p.

Testimony concerning the bill introduced by Senator Jackson (S. 7) cited as the "Surface Mining Control and Reclamation Act of 1975". Text of the bill is included.

2139. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Surface mining reclamation. Washington: GPO. 1968. 375p.

An extremely useful document. Includes statements and communications from all sides, as well as important statistical information.

2140. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINERALS, MATERIAL, AND FUELS
Surface Mining. Washington: GPO, 1972. 1173p. (Issued in three parts).

Hearings "Pursuant to S. Res. 45 A National Fuels and Energy Policy Study."

2141. U. S. DEPARTMENT OF AGRICULTURE
Restoring surface-mined land. Washington: GPO, 1973. 14p.

2142. U. S. DEPARTMENT OF THE INTERIOR
Study of strip and surface mining in Appalachia, an interim report to the Appalachian Regional Commission. Washington, 1966. 78p.

Emphasis is on reclamation.

2143. U. S. DEPARTMENT OF THE INTERIOR
Surface mining and our environment. Washington, 1967. 124p.

A well-illustrated book which includes useful statistical information.

2144. U. S. DEPARTMENT OF THE INTERIOR. BUREAU OF LAND MANAGEMENT
Final environmental impact statement, proposed federal coal leasing program. Washington: GPO, 1975. v.p.
- 2144a. U. S. ENVIRONMENTAL PROTECTION AGENCY
Surface coal mining in the northern great plains of the western United States. Washington, 1976. 146p.
"An introduction and inventory utilizing aerial photography collected in 1974-75."
2145. WALI, M. K.
Some environmental aspects of strip mining in North Dakota. Grand Forks: North Dakota Geological Survey, 1973. 121p. (Education Series 5).
2146. WALLACE, TOM
Stearns case; coal mining in Cumberland National Forest. *American Forest* Ap 1955 24-27.
Request of a coal company to conduct stripping operations in the Cumberland National Forest caused great controversy.
2147. WALTER, GEORGE H.
Agriculture and strip coal mining. *Agricultural Economics Research* Ja 1949 24-29.
2148. WARRINER, J. B.
Anthracite stripping. *AIME. Transactions* 57: 159-97 1917.
2149. WELLS, JANE F.
Study of thought relating to strip mining in the Commonwealth of Kentucky. Dissertation. Indiana University, 1973. 156p.
A study of the attitudes of both opponents and proponents of strip mining.
2150. WIENER, FREDERICK B.
Economic interest: rise and fall of a slogan. *Taxes* 37: 777-802 1959.
Study of the depletion allowance permitted the coal stripper. The pertinent court decisions are cited.
2151. WILKINSON, JOSEPH F.
Good management and a 52-ft. seam make Decker top producer for 1975. *Coal Age* Ag 1976 87-90.
The Decker Coal Company's surface mine in southern Montana produced over 9 million tons in 1975, more than any other U. S. mine.

2152. WILLIAMS, ROGER M.
TVA and the strippers. *World Je* 19, 1973 20-25+.
"Once the symbol of a pioneering effort on behalf of the 'common man,' TVA is today under sharp attack for its support of strip-mining in Appalachia."
2153. WILSON, H. A. AND DAVID A. ZUBERER
Some microbiological factors associated with surface-mine reclamation. Morgantown: West Virginia Agricultural Experiment Station, 1976. 19p. (Bulletin 645T).
2154. WITHROW, MICHAEL V.
Broad form deed—obstacle to peaceful co-existence between mineral and surface owners. *Kentucky Law Journal* 60: 742-56 1971/72.
- <2155. YANIK, GLENN G. AND OTHERS
Enforcement of strip mining laws in three Appalachian states: Kentucky, West Virginia and Pennsylvania. Washington: Center for Science in the Public Interest, 1975. 110p.
2156. YEAGER, LEE E.
Wildlife management of coal stripped lands. North American Wildlife Conference *Transactions* 5: 348-53 1940.

Safety

2157. ANDREWS, JOHN B.
Needless hazards in the coal industry. *Ann. Amer. Acad.* 111: 24-31 1924.

Government regulation is required to force operators to abide by reasonable safety standards.
2158. ANDREWS, W. H. AND C. L. CHRISTENSON
Some economic factors affecting safety in underground bituminous coal mines. *Southern Economic Journal* 40: 364-76 1973/74.

Reply with rejoinder by T. S. Witt and others 42: 306-10 1975.
2159. ARNOW, HARIETTE, S.
No rats in the mines. *Nation* 213: 401-4 1971.

A pessimistic look at the willingness of the Bureau of Mines and mine owners to emphasize safety.
2160. CHRISTENSON, C. L. AND W. H. ANDREWS
Coal mine injury rates in two eras of federal control. *Journal of Economic Issues* 7: 61-82 1973.

"The goal of this article is to examine injury data for bituminous coal mines over approximately the past three decades and to see what tendencies may have been at work during that time".
2161. COCHRANE, JOHN L.
Conservation of human life in the coal fields of Pennsylvania. Geographical Society of Philadelphia. *Bulletin* 10: 82-95 1912.

The accident rate in Pennsylvania coal mines is far higher than necessary, and much higher than in Europe.
2162. CURRIE, ROBERT D.
Safety in Pennsylvania coal mines. Thesis. Penn State College. 1930.

2163. CURTH, ERNEST A.
Causes and prevention of transportation accidents in bituminous coal mines. Washington: GPO, 1971. 107p. (U. S. Bureau of Mines. Information Circular 8506).
2164. DAVENPORT, S. J.
Bibliography of Bureau of Mines publications dealing with health and safety in the mineral and allied industries, 1910-46. Washington: U. S. Bureau of Mines, 1948. 154p. (Technical Paper 705).
List of 1,684 items; subject and author indexes.
2165. DAVENPORT, S. J. AND G. MORGIS
Physiological aspects of electrical accidents in the coalmining industry. Washington: U. S. Bureau of Mines. 1951. 19p. (Information Circular 7620).
2166. DIETTO, FRANK J.
Study of the federal government's attempts to promote safety in the bituminous coal mines of the United States. Thesis. Southern Illinois University, 1952. 96p.
2167. DOUGHERTY, JOHN J.
A study of fatal roof fall accidents in bituminous coal mines. Thesis (M. S.) West Virginia University, 1971. 79p.
2168. DRURY, DORIS
The accident records in coal mines of the United States. Bloomington, Indiana University, 1964. 159p.
"A study of the literature with comparisons of the records in other coal-producing countries".
2169. DRURY, DORIS
A study of the literature on accidents in coal mines of the United States with comparisons of the records in other coal-producing countries. Dissertation. Indiana University, 1965. 404p.
A thorough examination of types of coal mine accidents and their causes, as well as an analysis of statistical methods used in recording accidents. Extensive bibliography which includes all pertinent publications issued by the U. S. Bureau of Mines.
2170. EAVENSON, HOWARD N.
Safety methods and organization of United States Coal and Coke Co. AIME. *Transactions* 51: 319-64 1915.
In the company's McDowell County. West Virginia mines.

2171. FRANKLIN, BEN A.
The scandal of death and injury in the mines. *NY Times Magazine* Mr 30, 1969. 25-7+.
2172. GRAEBNER, WILLIAM
The coal-mine operators and safety: a study of business reform in the progressive period. *Labor History* 14: 483-505 1973.
2173. GRAEBNER, WILLIAM
Coal mining safety: national solutions in the progressive period. Dissertation. University of Illinois, 1970. 321p.

Federal coal mining safety legislation was never a possibility in the progressive period. Instead, miners, operators and inspectors advocated uniform state legislation. Uniformity and the Bureau of Mines were attempts to impose order on chaos without submitting to the risks of government regulation, and they were symbolic of progressivism: varied, divided and essentially conservative.
2174. GRAEBNER, WILLIAM
Coal mining safety in the progressive period. Lexington: University Press of Kentucky, 1976. 244p.

The best work for the period covered.
2175. HALL, CLARENCE AND WALTER O. SNELLING
The waste of life in American coal mining. *Engineering Magazine* 34: 721-34 1907/08.
2176. HARRINGTON, DANIEL AND W. J. FENE
Are new hazards being introduced in coal mines faster than existing hazards are eliminated. Washington: GPO, 1940. 11p. (U. S. Bureau of Mines. Information Circular 7140).
2177. HARRINGTON, DANIEL
Effects of mechanization of the coal mining industry upon the frequency and severity of accidents, with discussion. U. S. Bureau of Labor Statistics. Bulletin 536: 183-93 1931.
2178. HARRINGTON, DANIEL
Safety in the mining industry. Colorado School of Mines. *Quarterly* 45 No. 2B (1950) 173-279.

A useful review of the history of the efforts to increase mine safety. Includes a discussion of the major problems involved.

2179. HOLLAND, CHARLES T. AND JOSEPH W. LEONARD
Research, education and mine personnel safety in West Virginia. Morgantown: West Virginia University. School of Mines, 1969. 12p.
A brief analysis of conditions in West Virginia from 1885 to 1967.
2180. HOLMES, J. A.
Government measures to increase mine safety. *Ann. Amer. Acad.* 38: 112-14 1911.
2181. HOWARD, HERBERT A.
Public policy and accidents. *Growth and Change* Oct 1971 42-5.
A study of safety in eastern Kentucky coal mines.
2182. KENT, W. H.
Analysis of Appalachian state coal mine health and safety and workmen's compensation programs: recommendations for improvement. State College, Pa., 1973. 119p.
2183. KODROWSKY, WILLIAM G.
Safety sampling applied to coal mining. Thesis. West Virginia University, 1960. 56p.
2184. LAUCK, WILLIAM J.
Occupational hazards of anthracite miners. Washington, 1920. 24p.
2185. LAWSON, WILLIAM F. AND OTHERS
Roof fall accidents in West Virginia coal mines. Morgantown: West Virginia University. Coal Research Bureau, 1970. 12p. (Technical Report 56).
2186. MC ATEER, JAMES D.
Coal mine health and safety; the case of West Virginia. New York, Praeger Publishers, 1973. 267p.
Author concludes that management has little interest in safety and will spend money in this area only if forced to do so.
2187. MC ATEER, JAMES D.
You can't buy safety at the company store. *Washington Monthly* Nov 1972 7-18.
Many countries have far better mine safety records than the U. S. This is largely because the U. S. mining industry gives safety a low priority.

2188. MACHISAK, JOHN C. AND OTHERS
Injury experience in coal mining, 1960. Washington: GPO, 1962. 76p. (U. S. Bureau of Mines. Information Circular 8141).

"Analysis of mine safety factors, related employment, and production data."
2189. MINE SAFETY: AN UNRESOLVED ISSUE
Appalachia Feb. 1969 1-9.
2190. MORSE, KENNETH M.
Dust control practices in the bituminous coal mining industry. *American Industrial Hygiene Association Journal* 31: 160-69 1970.
2191. MOYER, FORREST T. AND MARY B. MC NAIR
Injury experience in coal mining, 1968. Washington: GPO, 1972. 107p. (U. S. Bureau of Mines. Information Circular 8556).
2192. MOYER, FORREST T. AND MARY B. MC NAIR
Injury experience in coal mining, 1967. Washington: GPO, 1972. 112p. (U. S. Bureau of Mines. Information Circular 8555).
2193. NATIONAL ACADEMY OF ENGINEERING
Mine rescue and survival. Washington, 1970. 81p.

The final report of the Academy's Committee on Mine Rescue and Survival Techniques.
2194. PALOMBA, CATHERINE A. AND RONALD J. ALTHOUSE
West Virginia miners view safety. *Labor Law Journal* 26: 139-45 1975.

Study of the attitudes of 132 miners concerning various aspects of mine safety.
2195. PALOMBA, NEIL AND OTHERS
Some economic factors affecting safety in underground bituminous coal mines: comment. *Southern Economic Journal* 42: 306-8 1975.

Comment on the article by W. H. Andrews and C. L. Christenson in the *Southern Economic Journal* 40: 364-76 1974.
- 2195a. REYES ASSOCIATES, INC.
Impact study of mine safety foreman training for a selected site. Washington, 1975. 130p.

"Examination of relationship between training in safety of mine foreman and accident frequency rate in exploratory sample of five selected coal mines."

2196. SCHLICK, DONALD P.
Mine emergency operations of the Mining Enforcement and Safety Administration. Washington, 1975. 61p. (Mining Enforcement and Safety Administration. Information Report 1011).

MESA has established an organization which can respond quickly to emergencies.
2197. SELTZER, BOB
Overkill. A report on mine safety and health. *Coal Patrol* Jan 24, 1972. 2-8.
2198. SOLOMON, H. J.
Psychological aspects of accident prevention. Washington: GPO, 1948. 10p. (U. S. Bureau of Mines. Information Circular 7460).
2199. STOEK, H. H.
First aid movement in the anthracite region of Pennsylvania. *Engineering Magazine* 37: 321-36 1909.
2200. U. S. BUREAU OF MINES
Coal mine illumination. Washington: GPO, 1976. 82p. (U. S. Bureau of Mines. Information Circular 8709).
2201. U. S. BUREAU OF MINES
Coal mine safety inspection manual for surface coal mines and surface work areas of underground coal mines. Washington: GPO, 1971. 92p.
2202. U. S. CHILDREN'S BUREAU
Occupational hazards to young workers. Report No. 3: The coal-mining industry. Washington: GPO, 1942. 55p. (Its Publication 275).
2203. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
Amendments to Federal Coal Mine Safety Act. Washington: GPO, 1964. 419p.
2204. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
Coal mine health and safety. Hearings. Washington: GPO, 1969. 100p.

2205. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
Coal mine safety. Hearings before a subcommittee of the
Committee on Education and Labor. Washington: GPO,
1952. 491p.
2206. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
Legislative history: Federal Coal Mine Health and Safety
Act. Washington: GPO, 1970. 1151p.

A compilation of legislative action on the various versions of the
bills. Includes a useful section-by-section analysis of the final act.
2207. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
To amend the Federal Coal Mine Safety Act. Hearings be-
fore the Select Subcommittee on Labor of the Committee
on Education and Labor, House of Representatives, Eighty-
seventh Congress, First Session, on H. R. 4237 and various
bills. Washington: GPO, 1961. 114p.
2208. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LA-
BOR. GENERAL SUBCOMMITTEE ON LABOR
Coal mine health and safety. Hearings, Washington:
GPO, 1969. 658p.
2209. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LA-
BOR. GENERAL SUBCOMMITTEE ON LABOR
To amend the Federal Coal Mine Health and Safety Act
of 1969; Hearings. Washington: GPO, 1971. 341p.
2210. U. S. CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERA-
TIONS
Enforcement of federal mine health and safety laws. Wash-
ington: GPO, 1973. 1229p.
2211. U. S. CONGRESS. HOUSE. COMMITTEE ON MINES AND MINING
Inspections and investigations in coal mines. Washington:
GPO, 1940. 566p.

Hearings on S. 2420; a bill "relating to certain inspections and in-
vestigations in coal mines for the purpose of obtaining information
relating to health and safety conditions, accidents, and occupational
diseases therein. and for other purposes."
2212. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC
WELFARE. SUBCOMMITTEE ON LABOR
Coal mine health and safety. Hearings. First session, on S.
355, and other. Washington: GPO. 1969. 5 vols.

2213. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE. SUBCOMMITTEE ON LABOR
Legislative History of the Federal Coal Mine Health and Safety Act of 1969. Washington: GPO, 1975. 2 vols.
2214. U. S. CONGRESS. SENATE. COMMITTEE ON MINES AND MINING
Inspections and investigations in coal mines. Washington: GPO, 1939. 151p.
2215. VAN DE WATER, FREDERICK
Eliminating mine slaughter. *Worlds Work* My 1929 74-79.
2216. WILSON, H. M. AND A. H. FAY
First National Mine Safety Demonstration, Pittsburgh, Pennsylvania, October 30 and 31, 1911. Washington: GPO, 1912. 75p. (U. S. Bureau of Mines. Bulletin 44).

Mine Disasters

The "literature of disasters" is both old and voluminous. As might be imagined, much of the writing is sensational in nature. A mine disaster is the journalist's dream, combining as it does horror, drama and pathos. An attempt has been made here to include the best available accounts of the major disasters.

2217. ARONSON, BERNIE
Hyden: the hearings. *Mountain Life and Work* Jan 1971 2-5+.

Account of the U. S. Bureau of Mines hearings held following an explosion which killed 38 miners at Hyden, Ky.
2218. BACON, S.
Disaster at Hurricane Creek. *Popular Mechanics* Oct 1971 85-9+.

Description of the explosion at the Finley mine at Hyden, Ky.
2219. BALLOU, E.
An account of the coal bank disaster at Blue Rock, Ohio. [6th ed.] Malta, Ohio, 1856. 32p.
2220. BEACH, H. D. AND R. A. LUCAS
Individual and group behavior in a coal mine disaster. Washington: National Academy of Sciences, 1960. 160p. (*Its* publication 834; also Disaster Study No. 13).

"This monograph examines individual and group behavior in a coal mine disaster that killed 75 miners and trapped 19 more underground from 6½ to 8½ days."
2221. BETHELL, THOMAS N.
The Hurricane Creek Massacre; an inquiry into the circumstances surrounding the deaths of thirty-eight men in a coal mine explosion. New York: Harper & Row, 1972. 145p.

"Hurricane Creek was an institutional massacre, a tragedy that was the direct and inevitable end product of a policy dictated by bureaucratic incompetence and political expediency." The explosion occurred in Finley Coal Company's mines no. 15 and 16 on Hurricane Creek in Leslie Co., Ky., on Dec. 20, 1970.

2222. BONOSKY, PHILLIP
Anatomy of a mine disaster. *Mainstream* Je 1963 8-29.
Account of the disaster and the following investigations at the Robena mine, near Uniontown, Pennsylvania.
2223. BOYER, R. F.
Coal mine disasters: frequency by month. *Science* 144: 1447-49 1964.
2224. BUCKLEY, THOMAS
Inquest on a premature burial. *Esquire* 66: 75-81+ Je 1966.
The story of two miners, rescued after being trapped underground for 14 days in a Pennsylvania anthracite mine.
2225. BRAMWELL, J. H. AND OTHERS
The Pocahontas mine explosion. AIME. *Transactions* 13: 237-49 1884/85.
The first great disaster in the newly-opened smokeless coal fields of Virginia/West Virginia.
2226. CHAMBERLIN, ROLLIN T.
Notes on explosive mine gases and dusts, with special reference to explosions in the Monongah, Darr and Naomi coal mines. Washington: GPO, 1909. 67p. (U. S. Geological Survey. Bulletin 383).
2227. CHANCE, H. M.
An analysis of the casualties in the anthracite coal mines, from 1871-1880. AIME. *Transactions* 10: 67-77 1881/82.
2228. CLUTE, F. P.
The Dayton Mine explosion. Engineering Association of the South. *Publication* 7: 29-41 1896.
In Rhea County, Tennessee.
2229. CORRIGAN, JAMES J.
Death stalks anthracite's "buried valley." Pennsylvania Department of Internal Affairs. *Monthly Bulletin* N 1951 5-10.
Account of mining accidents in Luzerne County, Pennsylvania.

2230. DARR MINE DISASTER
Mines & Minerals 28: 377-82 1907/8.
2231. DEATH TOOK NO HOLIDAY AT FOURMILE DISASTER
In Kentucky Winter 1949 41-42.
Account of the mine explosion in Bell County, Kentucky, Dec. 26, 1945.
2232. DILLON, LACY A.
They died in darkness. Parsons, W. Va.: McClain Printing Co., 1976. 280p.
Account of the major mine disasters in West Virginia from 1886 to 1968.
2233. DISASTER AT RAVENSDALE, WASHINGTON
Coal Age Mr 11, 1916 459-62.
Account of explosion at the Ravensdale mine in King County, Washington which killed 31 men.
2234. DONNELLY, CLARENCE S.
Notable mine disasters of Fayette County, West Virginia. Oak Hill, 1951. 33p.
- 2234a. ERIKSON, KAI T.
Everything in its path. New York: Simon & Shuster, 1977. 284p.
Excellent account of the Buffalo Creek disaster and its effects on the inhabitants of the area.
2235. EXPLOSION NEAR KEMPTON, W. VA.
Coal Age Mr. 18, 1916 498-99.
Account of explosion in mine near the Maryland-West Virginia border. Sixteen men were killed.
2236. FAIRMONT COAL CO. (FAIRMONT, WEST VIRGINIA)
The explosion at Monongah mines. Fairmont, West Virginia, 1908. 43p. (*Its Bulletin* No. 11).
2237. FAY, A. H.
Coal mine fatalities in the United States 1870-1914. Washington: GPO, 1916. 370p. (U. S. Bureau of Mines. Bulletin 115).
Gives fatal accidents described in reports by state mine inspectors by state, cause and year.

2238. HALL, R. D.
The explosion at Eccles, West Virginia. *Coal Age* 5: 846-50 1914.
2239. HOFFMAN, PHIL
The Lost Creek disaster. *Palimpsest* 26: 21-27 1945.
Account of the mine explosion near Oskaloosa, Iowa. *Ja* 24, 1902.
2240. HUMPHRY, HIRAM B.
Historical summary of coal mine explosions in the United States, 1810-1958. Washington: GPO, 1960. 280p. (U. S. Bureau of Mines. Bulletin 586).
A basic work in the field. Appeared first as Information Circular 7900 in 1959.
2241. ILLINOIS. BUREAU OF LABOR STATISTICS
Report on the Cherry mine disaster. Springfield: Illinois State Journal Co., 1910. 90p.
2242. KALISCH, PHILIP A.
Death down below: coal mine disasters in three Illinois counties, 1904-1962. Illinois State Historical Society. *Journal* 65: 5-21 1972.
Account of mine disasters and the resulting efforts to improve safety conditions in southern Illinois mines.
2243. KANSAS MINE DISASTER
Colliery Engineer 9: 76-77 1888/89.
Account of the explosion at Frontenac. Kansas which killed 45.
2244. KEENAN, CHARLES M.
Historical documentation of major coal-mine disasters in the United States not classified as explosions of gas or dust, 1846-1962. Washington: GPO, 1963. 90p. (U. S. Bureau of Mines Bulletin 616).
2245. KISSELL, F. N.
Coal mine explosions: seasonal trends. *Science* 179: 891-2 1973.
Builds on previous investigations and concludes that dust explosions are influenced by seasonal factors, while gas explosions are not.
2246. LUCAS, REX A.
Men in crisis; a study of a mine disaster. New York: Basic Books, 1969. 335p.
Based on a dissertation accepted by Columbia University, 1967.

2247. LUCAS, REX A.
Social behavior under conditions of extreme stress: a study of miners entrapped by a coal mine disaster. Dissertation. Columbia University, 1967. 511p.

Study of 18 men trapped in an underground mine for approximately a week. Details of their social and psychological reactions to the situation. Republished in slightly revised form as "men in crisis".
2248. MAGUIRE, DON
Scofield (Utah) mine disaster. *Mines & Minerals* 20: 485-86 1899/1900.
2249. MARTIN, JOHN B.
The blast in Centralia No. 5; a mine disaster no one stopped. *Harpers* 196 Mr. 1948 193-220.
2250. MINE EXPLOSION AT ROYALTON, ILLINOIS
Coal Age 6: 753-57 1914.
2251. MISSOURI. BUREAU OF LABOR STATISTICS
Special report to the governor of an investigation. . . of the coal mine explosion at Rich Hill, Missouri, March 29, 1888. St. Louis: Daly Printing Co., 1888. 63p.
2252. MONONGAH MINES RELIEF COMMITTEE
History of the Monongah mines relief fund in aid of sufferers from the Monongah mine explosion, Monongah, West Virginia, December 6, 1907. Fairmont, West Virginia, 1910. 187p.
2253. PACKER, MEL
Blacksville; nine more Consol miners dead. *Mountain Life and Work Ag* 1972 12-23.

Indictment of Consolidated Coal Company for its mine safety records.
2254. PAGE, WILLIAM N.
The explosion at the Red Ash Colliery, Fayette County, West Virginia. AIME. *Transactions* 30: 854-63 1900.
2255. PARSONS, FLOYD W.
Disaster at Monongah coal mines Nos. 6 and 8. *Engineering and Mining Journal* 84: 1121-23 1907.
2256. PAUL, JAMES W.
Red Ash (West Virginia) mine disaster. *Mines & Minerals* 20: 537-39 1899/1900.

2257. PHEE, CATHERINE A.
The Centralia mine disaster of 1947. Dissertation. Saint Louis University, 1971. 305p.
2258. POWELL, ALLAN K.
Tragedy at Scofield. *Utah Historical Quarterly* 41: 182-94 1973.

Two hundred were killed in a mine explosion in Carbon County, Utah on May 1, 1900.
2259. RICE, GEORGE S.
Rescue work at Layland explosion. *Coal Age* 7: 508-9 1915.

See also pp. 633-34, 645 and index of v7. A great dispute about methods of rescue and who should get the credit developed. Layland is in the New River field of West Virginia.
2260. ROY, ANDREW
The Pocahontas explosion. *Ohio Mining Journal* 3: 3 1885.

Account of the disaster in Tazewell County, Virginia, March 13, 1884.
2261. SCOTIA AFTERMATH
Mountain Life and Work May 1976 3-36.

The bulk of this, the preceding and following issues are devoted to various aspects of the Scotia disaster in Letcher County, Kentucky.
2262. STEVENS, ELIZABETH
Death in the mines. *Newleader* Feb 1, 1965 12-15.

Report of a visit to the Clinchfield Coal Company's mine at Dola, W. Va. Two years after the 1963 disaster in which 22 men died.
2263. STOEK, H. H.
Monongah mine disaster. *Mines & Minerals* 28: 277-80 1907/8.
2264. THE TWIN SHAFT DISASTER
Colliery Engineer 17: 17-20 1896/97.

Account of disaster at Pittston, Pennsylvania.
2265. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR
Welfare of miners. Hearing before the subcommittee of the Committee on Education and Welfare. Washington: GPO, 1947. 167p.

Includes reports of the committee appointed by Gov. Green (Illinois) to investigate the Centralia Mine disaster.

2266. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Investigation of mine explosion at Centralia, Illinois. Washington: GPO, 1947. 470p.
- 2266a. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE
Scotia mine disaster. Washington; GPO, 1976. 279p.
2267. U. S. DEPT. OF INTERIOR. OFFICE OF HEARINGS AND APPEALS
Interim report on the Blacksville Mine Disaster of July 22, 1972. Arlington, Va., 1973. 12p.
2268. WEEDFALL, ROBERT O.
Climate, weather and coal mine explosions, with a meteorological review of the Farmington disasters. Morgantown: West Virginia University, 1970. 9p. (Engineering Experiment Station. Report 15).
2269. WEST VIRGINIA. LEGISLATURE
Report of hearings. . . to investigate the cause of mine explosions within the state and to recommend remedial legislation relating thereto, together with preliminary and final reports. Charleston: Tribune Printing Co., 1909. 835p.
2270. WIECK, EDWARD A.
Gambling with miners' lives. *New Republic* 42: 205-8 1925 (a reply & rejoinder 43: 265-6, 44: 48).
2271. WIECK, EDWARD A.
Preventing fatal explosions in coal mines; a study of recent major disasters in the U. S. as accompaniments of technological change. New York: Russel Sage Foundation, 1942. 156p.

Racial and Ethnic Groups

2272. ALABAMA MINING CAMP
Independent 63: 790-91 1907.
 Negroes do about fifty percent of the unskilled labor. Many miners are ex-convicts, and the camps are centers of vice and crime.
2273. ALLEN, GERALD E.
 The Negro coal miner in the Pittsburgh district. Thesis. University of Pittsburgh. 1927.
2274. ASSOCIATION FOR THE WELFARE OF NEGROES IN ALABAMA
 Appeal to the Colored Mine Workers of Alabama. Ensley, 1920? 4p.
 Negro miners are urged to support the UMWA strike.
2275. BAILEY, KENNETH R.
 A judicious mixture: Negroes and immigrants in the West Virginia mines, 1880-1917. *West Virginia History* 34: 141-61 1973.
 Account of the development of the labor force for the West Virginia coal industry.
2276. BARNUM, DAROLD T.
 The Negro in bituminous coal mining. Philadelphia: University of Pennsylvania, Wharton School of Finance and Commerce, Industrial Research Unit, 1969. 130p. (Racial policies of American Industry, No. 14).
2277. BRAINERD, ALFRED
 Colored mining labor. AIME. *Transactions* 14: 78-80 1885/86.
2278. COMMONS, JOHN R.
 Slavs in the bituminous coal mines of Illinois. *Charities* 13: 227-29 1904.

2279. DWYER, KENNETH J.
Immigrant labor in the bituminous coal industry. Thesis. New York University. 1957.
2280. GREENE, VICTOR R.
Attitude of Slavic communities to the unionization of the anthracite industry before 1903. Ph. D. University of Pennsylvania. 1963.
2281. GREENE, VICTOR R.
The Poles and anthracite unions in Pennsylvania. *Polish American Studies* 22: 10-18 1965.

Author maintains that, contrary to some views, the Polish immigrants behaved with "unanimity, tenacity, and strength" in support of union demands for better pay and working conditions.
2282. GREENE, VICTOR R.
The Slavic community on strike; immigrant labor in Pennsylvania anthracite. Notre Dame. University of Notre Dame Press, 1968. 260p.
2283. GREENE, VICTOR R.
A study of Slavs, strikes, and unions: the anthracite strike of 1897. *Pennsylvania History* 31: 199-215 1964.

Slavic groups tended to be strongly pro-union during the period of the 1897 strike.
2284. GUTMAN, HERBERT G.
"The Negro and the United Mine Workers of America." In *Work, Culture and Society in Industrializing America*, pp. 120-208. By Herbert G. Gutman. New York: Knopf, 1976.

"The career and letters of Richard L. Davis and something of their meaning: 1890-1900."
2285. GUTMAN, HERBERT G.
Reconstruction in Ohio: Negroes in the Hocking Valley coal mines in 1873 and 1874. *Labor History* 3: 243-64 1962.
2286. HANDLING THE NEGRO MINER IN THE SOUTH
Coal Age 5: 875 1914.

"This class of labor is naturally shiftless."
2287. HARRIS, A. L.
The Negro in the coal mining industry. *Opportunity* F 1926 45-48.

2288. LADY MINER DIGS HER JOB
Ebony Oct 1974 116-118.
 Young black woman is employed as a miner near Johnstown, Pa.
2289. LAING, JAMES T.
 Negro miner in West Virginia. *Social Forces* 14: 416-22
 1936.
2290. LAING, JAMES T.
 Social status among migrant Negroes. *Social Forces* 16:
 562-68 1938.
 Deals with Negro coal miners in West Virginia.
2291. MATHEWS, P. L.
 The Mexican as a coal miner. *Coal Age* 12: 312-15 1917.
 Author doubts that the importation of Mexican miners on any large
 scale would be an answer to the labor shortage.
2292. MINARD, RALPH D.
 Race relationships in the Pocahontas Coal Field. *Journal
 of Social Issues*. 8: 29-44 1952.
 Study centered "in that part of the coal field included in McDowell
 County, West Virginia."
2293. NORTHRUP, HERBERT R.
 The Negro and the United States Mine Workers of Amer-
 ica. *Southern Economic Journal* 9: 313-26 1943.
2294. NYDEN, PAUL
 Black coal miners in the United States. New York: Ameri-
 can Institute for Marxist Studies, 1974. 74p. (Occasional
 Paper No. 15, AIMS).
 Deal largely with the Southern Appalachian coal fields.
2295. ROBERTS, PETER
 Slavs in anthracite coal communities. *Charities* 13: 215-22
 1904.
- 2295a. SIMMONS, C. W. AND OTHERS
 Negro coal miners in West Virginia, 1875-1925. *Midwest
 Journal* Spring 1954 60-69.
2296. STRAW, RICHARD A.
 The collapse of biracial unionism: the Alabama coal strike
 of 1908. *Alabama Historical Quarterly* Summer 1975 92-
 114.

2297. SURFACE, GEORGE T.
The Negro mine laborer: central Appalachian coal field.
Ann. Amer. Acad. 33: 338-52 1909.
2298. U. S. IMMIGRATION COMMISSION
Immigrants in industries. Washington: GPO, 1911.
Part 1 (2 volumes) is devoted to bituminous coal mining; Part 19
includes a section on Anthracite coal mining.
2299. WALKER, WILLIAM S.
Occupational aspirations of Negro family members in a
coal mining community. Thesis. New York University.
1950.
2300. WARNE, FRANK J.
The Slav invasion and the mine workers; a study in immi-
gration. Philadelphia: Lippincott, 1904. 211p.

Folklore

2301. ADAMS, JAMES TAYLOR
Death in the dark: a collection of factual ballads of American mine disasters. Big Laurel, Virginia: Adams-Mullins Press, 1941. 119p.
2302. ANSLEY, FRAN AND SUE THRASHER
The ballad of Barney Graham. *Southern Exposure* 4: 136-42 1976.

Graham was killed during the mine wars in East Tennessee during the 1930's.
2303. ANSLEY, FRAN AND OTHERS
"Little David Blues"; an interview with Tom Lowry. *Southern Exposure* Winter 1974 137-43.

Interview with the author of a song based on the strikes of 1932 in the Cumberland Plateau.
2304. DICKENS, HAZEL
Songs: Mannington Mine Disaster and black lung. *Mountain Life and Work* Apr 1971 10-13.
2305. DOMICO, JIM
Mine accidents. *West Virginia Folklore* 11: 38-44 1961.

The folklore of mine accidents.
2306. FAMOUS LABOR SONGS FROM APPALACHIA
Huntington, W. Va.: Appalachian Movement Press, 1970. 2v.
2307. GREEN, ARCHIE
The Carter Family's "Coal Miner's Blues." *Southern Folklore Quarterly* 25: 226-37 1961.
2308. GREEN, ARCHIE
The death of Mother Jones. *Labor History* 1: 68-80 1960.

Account of the song "Death of Mother Jones", first recorded by Gene Autry in 1931.

2309. GREEN, ARCHIE
A discography of American coal miners' songs. *Labor History* 2: 101-115 1961.
2310. GREEN, ARCHIE
George Korson and industrial folklore. *Keystone Folklore Quarterly* 16: 53-63 1971.
Account and evaluation of Korson's efforts to collect the folklore of the anthracite industry.
2311. GREEN, ARCHIE
Only a miner. Urbana: University of Illinois Press, 1972. 504p.
"Studies in recorded coal-mining songs". By far the most comprehensive and useful work in the field.
2312. GREEN, ARCHIE
Recorded American coal mining songs. Dissertation. University of Pennsylvania, 1969. 522p.
2313. HAMILTON, REX
Stories of the mine. *West Virginia Folklore* 11: 44-49 1961.
Devoted largely to the folklore of mine accidents.
2314. HAND, WAYLAND D.
George Korson and the study of American mining lore. *Keystone Folklore Quarterly* 16: 65-68 1971.
2315. KORSON, GEORGE
Anatomy of a coal mine. *Keystone Folklore* 8: 49-50 1963.
"Traditionally miners describe various parts of a mine in terms of the structure of the human body."
2316. KORSON, GEORGE
Anthracite miners as bards and minstrels. *American Speech* 10: 260-68 1935.
2317. KORSON, GEORGE
Black land; the way of life in the coal fields. Evanston, Illinois: Row, Peterson, 1941. 72p.
A popularly-written account of life in the coal fields. Centered largely in West Virginia.

2318. KORSON, GEORGE
Black rock: mining folklore of the Pennsylvania Dutch.
Baltimore: Johns Hopkins, 1960. 453p.
2319. KORSON, GEORGE
Coal dust on the fiddle; songs and stories of the bituminous industry. Philadelphia: University of Pennsylvania Press, 1943. 460p.
2320. KORSON, GEORGE
Minstrels of the mine patch; songs and stories of the anthracite industry. Philadelphia: University of Pennsylvania Press, 1938. 332p.
2321. KORSON, GEORGE
Pennsylvania songs and legends. Philadelphia: University of Pennsylvania Press, 1949. 474p.
Pp. 354-400 devoted to coal miners.
2322. KORSON, GEORGE
Songs and ballads of the anthracite miners a seam of folklore which once ran through life in the hard coal fields of Pennsylvania. New York: Hitchcock, 1927. 196p.
2323. LOPUSHANSKY, JOSEPH AND MICHAEL
Mining town terms. *American Speech* 4: 368-74 1929.
Terms common in the mining areas near Pittsburgh, Pennsylvania.
2324. MUSICK, RUTH ANN
More stories of the mines. *West Virginia Folklore* 10: 18-36 1960.
2325. MUSICK, RUTH ANN
Stories about mines. *West Virginia Folklore* 8: 54-68 1958.
2326. SMITH, GRACE P.
The miner's chant. *California Folklore Quarterly* 2: 221-23 1943.
A mine ballad from Iowa.
2327. TWO TALES FROM BLOODY HARLAN
Appalachian Journal Spring 1973 139-42.
2328. WESTOVER, J. HUTSON
Highland language of the Cumberland coal country. *Mountain Life and Work* Fall 1960 18-21.

Health

This section is intended as a guide to rather than a comprehensive bibliography of the health problems of the coal industry. An attempt has been made to include the major studies, articles with especially useful bibliographies and very early reports. A complete bibliography of such medical problems as respiratory diseases is beyond the scope of this work. The literature in the area is voluminous, international in nature and accessible through the medical indexing services.

2329. ANDERSON, WILLIAM H. AND WILLIAM F. SCHMIDT
Evaluation of disability in coal miners with chronic pulmonary disease. *JAMA* 171: 145-150 1959.
2330. BAIER, E. J. AND R. DIAKUN
Pneumoconiosis study in Central Pennsylvania coal mines. II. Environmental Phase. *Journal of Occupational Medicine* 3: 507-521 1961.
2331. BENTIVEGNA, JOSEPH J.
A study of vocational rehabilitation experiences of bituminous coal miners with pneumoconiosis. Dissertation. University of Pittsburgh. 1974. 110p.

Study of 166 Central Pa. miners with pneumoconiosis points up the view of miners that rehabilitation is a threat rather than a help. "Most never advanced past the preliminary stage of medical diagnosis."
2332. BRITNELL, JIM
The Buffalo Creek flood: a demonstration health program responds to an emergency. *Appalachia* J1/Ag 1972 1-7.
2333. BROWN, MURRAY C.
Pneumoconiosis in bituminous coal miners. *Mining Congress Journal* Ag. 1965 44-48.

Results of a 2½ year medical survey of nearly 4000 miners.
2334. BUREAU OF COOPERATIVE MEDICINE
Medical care in selected areas of the Appalachian bituminous coal fields. New York: The Bureau, 1939. 55p.

2335. CALARIE, EDWIN P.
A literature survey of the effects and controls of pneumoconiosis, with emphasis on coal workers pneumoconiosis. Thesis. West Virginia University. 1970. 75p.
"Two decades of investigations have passed which, in the main have done little more than confirm the results and conclusions of earlier studies."
2336. CARTER, RICHARD
"Scandal in the coal fields." In *The Doctor Business*, pp. 174-97. By Richard Carter. New York: Doubleday, 1958.
Local physicians provided a generally low level of medical care to miners and resisted efforts by the UMWA's Welfare and Retirement Fund to improve the situation.
2337. CLAGUE, EWAN
Determining the eligibility for black lung compensation. *Monthly Labor Review* Mr 1974 25-30.
2338. COLE, LEWIS G. AND WILLIAM G. COLE
Pneumoconiosis (silicosis); the story of dusty lungs. New York: John B. Pierce Foundation, 1940. vp.
One of the most significant of the early studies.
2339. COLES, ROBERT AND HARRY HUGO
Black lung: mining as a way of death. *New Republic* Ja 25, 1969 17-21.
2340. COLLIS, EDGAR L.
The coal miner; his health, diseases and general welfare. *Journal of Industrial Hygiene* 7: 221-243 1925.
General survey of physical and psychological disorders of miners. Comparisons of conditions in U. S., Britain and Europe.
2341. COSTELLO, J. AND OTHERS
Mortality from heart disease in coal miners. *Chest* 67: 417-21 1975.
2342. COSTELLO, J. AND OTHERS
Mortality from lung cancer in U. S. coal miners. *American Journal of Public Health* 64: 222-24 1974.
A study of Appalachian coal miners revealed a "low standard mortality rate for lung cancer."

2343. DOYLE, H. N. AND T. H. NOEHREN
Pulmonary fibrosis in soft coal miners: an annotated bibliography on the entity recently described as soft coal pneumoconiosis. Washington: GPO, 1954. 59p. (Public Health Service Publication 352 & Public Health Bibliography Series 11).
2344. DRAPER, WARREN F.
A hospital network for coal miners and their families. *West Virginia Medical Journal* 56: 70-73 Feb 1960.

Description of some of the medical problems encountered in the West Virginia-Tennessee-Kentucky coal fields.
2345. DRAPER, WARREN F.
Problems encountered in operation of United Mine Workers of America welfare and retirement fund. *Pennsylvania Medical Journal* 58: 1334-1339 1955.
2346. DRAPER, WARREN F.
UMWA Welfare and Retirement Fund medical care program. *American Journal of Public Health* 43: 757-62 1953.
2347. DRAPER, WARREN F.
Voluntary health insurance on national scene: United Mine Workers health program. *American Journal of Public Health* 40: 595-601 1950.

A brief survey of the health problems existing when the UMWA's Welfare and Retirement Fund went into effect (1948) and the plans and progress evolving from the Fund's program.
2348. ENTERLINE, PHILIP E.
Mortality rates among coal miners. *American Journal of Public Health* 54: 758-68 1964.

"Death rates for miners are nearly twice for all working men in the United States."
2349. ENTERLINE, P. E.
A review of mortality data for American coal miners. New York Academy of Science. *Annals* 200: 260-72 1972.
2350. ERICKSON, KAI T.
Loss of communality at Buffalo Creek. *American Journal of Psychiatry* 133: 302-305 1976.

Before the disaster, "the people of Buffalo Creek were accustomed to placing their individual energies and resources at the disposal of the larger collectivity . . . but afterward they were "empty of feeling, devoid of affection, and lacking . . . confidence. . . ."

2351. FALK, LESLIE A.
Group health plans in coal mining communities. *Journal of Health & Human Behavior* 4: 4-13 1963.
2352. FALK, LESLIE A. AND OTHERS
Stroke among a coal mining population. *Johns Hopkins Medical Journal* 120: 380-392 1967.
2353. FERRIS, B. G., JR. AND N. R. FRANK
Pulmonary function in coal miners. *Journal of Occupational Medicine* 4: 274-281 1962.
2354. FIELD, LEWIS AND OTHERS
Observations on the relation of psychological factors to psychiatric illness among coal miners. *International Journal of Social Psychiatry* 3: 133-45 1957.

The authors are staff members of the Bluefield, (West Virginia) Mental Health Center. Discussion of the "trapped, hopeless life situation" of the miner.
2355. FLINN, R. H. AND OTHERS
Soft coal miners health and working environment. Washington: GPO, 1941. 118p. (Public Health Bulletin 270).
2356. GAGE, E. LYLE
Mining community health. West Virginia Coal Mining Institute. *Proceedings* 1947 76-86.

Discussion of medical service in the coal area of southern West Virginia.
2357. HAELIG, ARTHUR W.
A primer of miners' lung diseases. *Appalachia Medicine* Sept. 1969 6-9.

A listing of miners' lung diseases and an analysis of difficulties encountered in estimating the degree of disability by the use of x-ray.
2358. HAYHURST, E. R.
Health hazards and mortality statistics of soft coal mining in Illinois and Ohio. *Journal of Industrial Hygiene* 1: 360-67 1919.
2359. HESS, ARTHUR E.
Coal workers' pneumoconiosis disability benefits. *Journal of Occupational Medicine* 12: 466-470 1970.

2360. HIGGINS, IAN T.
Chronic respiratory disease in mining communities. New York Academy of Science. *Annals* 200: 197-210 1972.
Communities studied were in West Virginia, England and Wales.
2361. HIGGINS, IAN T. AND OTHERS
Coronary disease in mining communities in Marion County, West Virginia. *Journal of Chronic Diseases* 22: 165-179 1969.
Study of men aged 20-69 in three mining towns failed to show any difference in coronary disease prevalence between miners, ex-miners and non-miners.
2362. HOTCHKISS, S. C.
Occupational diseases in the mining industry. *American Labor Legislation Review* 2: 131-39 1912.
2363. HYATT, R. E. AND OTHERS
Respiratory disease in southern West Virginia coal mines. *American Review of Respiratory Diseases* 89: 387-401 1964.
Study of the relationship between respiratory diseases and the number of years spent in mines.
- 2363a. JUDKINS, BENNETT M.
The Black Lung Association: a case study of a modern social movement. Dissertation. University of Tennessee, 1975. 372p.
2364. KERR, LORIN E.
Black lung. Washington: UMWA, 1970. 36p.
Brief discussion of the disease by the director of the UMW's Department Occupational Health.
2365. KERR, LORIN E.
Coal workers and pneumoconiosis. *Archives of Environmental Health* 16: 579-585 1968.
Maintains that coal workers' pneumoconiosis is a preventable disease which adequate control measures could eliminate.
2366. KERR, LORIN E.
Coal workers' pneumoconiosis. *Industrial Medicine & Surgery* 25: 355-62 1956.
Includes an extensive review of the literature.

2367. KERR, LORIN E.
Coal workers' pneumoconiosis in an affluent society. *Public Health Reports* 85: 847-752 1970.
2368. KERR, LORIN E.
The UMWA looks at coal workers' pneumoconiosis. *Journal of Occupational Medicine* 12: 359-63 1970.
2369. KEY, MARCUS M. AND OTHERS
Pulmonary reactions to coal dust; a review of U. S. experience. New York: Academic Press, 1971, 215p.
Chapters include useful lists of references.
2370. LAINHART, WILLIAM S. AND OTHERS
Pneumoconiosis in Appalachian bituminous coal miners. Cincinnati: U. S. Public Health Service, 1969. (U. S. Public Health Service Publication no. 2000).
Reports the findings of a 1963-65 prevalence study which "revealed that coal workers' pneumoconiosis is a serious widespread problem in Appalachia."
2371. LAPP, N. LEROY
History and epidemiology of coalworkers' pneumoconiosis. *Virginia Medical Monthly* 96: 709-711 1969.
2372. LEO KRAMER, INC.
The health impaired miner under black lung legislation. New York: Praeger, 1973. 130p.
2373. LEVINE, MILTON D. AND MURRAY B. HUNTER
Clinical study of pneumoconiosis of coal workers in Ohio River Valley. *JAMA* 163: 1-4 1957.
2374. LIEBEN, JAN AND OTHERS
Pneumoconiosis study in central Pennsylvania coal mines. I. Medical phase. *Journal of Occupational Medicine* 3: 493-506 1961.
2375. LOCKSHIN, M. D. AND OTHERS
Rheumatism in mining communities in Marion County, West Virginia. *American Journal of Epidemiology* 90: 17-29 1969.
A study of men aged 20-69 in five towns showed "no striking differences in the prevalence of arthritis of the hands, wrists, or cervical spine between non-miners and miners, and ex-miners."

2376. MARTIN, JOSEPH E.
Breathless coal workers as seen at the Golden Clinic. *AMA Archives of Industrial Health* 15: 494-98 1947.
2377. MARTIN, JOSEPH E.
Coal miners' pneumoconiosis. *American Journal of Public Health* 44: 581-91 1954.
2378. MASSIE, WILLIAM A.
Medical services for rural areas. Cambridge: Harvard, 1957 68p.

Results of a study by the Tennessee Medical Foundation of an area in Tennessee and Kentucky with a population of 6,000, mostly coal miners and their families.
2379. MEDICAL-HOSPITAL PROBLEMS IN BITUMINOUS COAL MINING AREA
JAMA 151: 407-412 Ja 1953.

Reports of survey teams studying medical and hospital facilities in Kentucky, Tennessee and West Virginia mining areas.
2380. MERIWETHER, F. V.
Sanitary survey of the coal mines of Alabama. Washington: GPO, 1926. 20p. (U. S. Bureau of Mines. Report of Investigations 2746).
2381. MILLER, ARNOLD
Wages of neglect: death and disease in the American workplace. *American Journal of Public Health* 65: 1217-20 1975.

Plea by the President of the UMWA for improved standards of occupational health and safety.
2382. MILLER, HAROLD W.
Characteristics of mining and non-mining psychiatric patients. Thesis. West Virginia University. 1960. 71p.
2383. MILLER, IVA A.
Child health in mining camp and village. *Mountain Life & Work* 8: 5-8 Ja 1933.
2384. MILLER, LEE H.
Disability appraisal of miners. Dissertation. University of Cincinnati. 1954.

2385. MORGAN, WILLIAM K. C.
Coal workers' pneumoconiosis. *American Industrial Hygiene Association Journal* 32: 29-34 1971.

General discussion of the disease and comparisons between situation in Britain and the U. S.
2386. MORGAN, WILLIAM K. C.
Coalworkers' pneumoconiosis: the clinical features. *Virginia Medical Monthly* 96: 712-716 1969.

"The attitude of the medical profession in the U. S. to the problem of coalworkers pneumoconiosis has been, and still is, characterized by obscurantism and a persistent refusal to face facts."
2387. MORGAN, WILLIAM K. C. AND OTHERS
Comparison of the prevalence of coal workers pneumoconiosis and respiratory impairment in Pennsylvania bituminous and anthracite miners. New York Academy of Science. *Annals* 200: 252-59 1972.
2388. MORGAN, WILLIAM K. C. AND ANTHONY SEATON
Occupational lung diseases. Philadelphia: Saunders, 1975. 391p.
2389. MORTALITY RATES OF COAL MINERS
U. S. Bureau of Labor. *Bulletin* 616: 771-74 1936.
2390. NATIONAL CONFERENCE ON MEDICINE AND THE FEDERAL COAL MINE HEALTH AND SAFETY ACT OF 1969.
Papers and proceedings. Washington, 1970. 342n.
2391. NATIONAL RESEARCH COUNCIL. COMMITTEE ON MINERAL RESOURCES AND THE ENVIRONMENT
Coal workers' pneumoconiosis—medical consideration, some social implications. Washington: National Academy of Sciences, 1976. 149p.

Report of a conference involving leading authorities in the field. At head of title: Mineral resources and the environment, supplementary report.
2392. NEWMAN, C. JANET
Children of disaster: clinical observations at Buffalo Creek. *American Journal of Psychiatry* 133: 306-312 1976.

"Most of the 221 children who were survivor-plaintiffs of the Buffalo Creek disaster were emotionally impaired by their experiences." Article focuses on children under 12.
2393. OHIO. STATE DEPARTMENT OF HEALTH
Health of Ohio coal miners. Columbus, 1919. 24p.

2394. PENCHANSKY, ROY AND OTHERS
 "Medical practice in a group setting: the Russellton experience." In *Health Services Administration: Policy Cases and the Case Method*, pp. 182-218. Edited by Roy Penchansky. Cambridge: Harvard University Press, 1968.
- The Russellton Medical Group was established in 1952 with the support of the UMWA Welfare and Retirement Fund. Russellton is located in a mining area approximately 25 miles from Pittsburgh.
2395. PENDERGAST, JOHN J. AND TITUS A. COX
 Meeting mandatory federal health standards under difficult dust control conditions. Washington, 1976. 28p. (U. S. Mining Enforcement and Safety Administration. Information Report 1032).
2396. PENDERGRASS, EUGENE P. AND OTHERS
 Historical perspectives of coal workers pneumoconiosis in the United States. *New York Academy of Science Annals* 200: 835-54 1972.
2397. PENDERGRASS, EUGENE P.
 Some consideration of coal workers' pneumoconiosis. *Archives of Environmental Health* 20: 545-550 1970.
- Brief general description of the disease, its symptoms and diagnosis.
2398. POHLMANN, KENNETH E.
 Rehabilitation of severely disabled: UMWA Welfare and Retirement Fund experience. *American Journal of Public Health* 43: 445-451 1953.
- A report detailing specific results of a program of rehabilitation of the severely disabled coal miner.
2399. RANGELL, LEO
 Discussion of the Buffalo Creek disaster: the course of psychic trauma. *American Journal of Psychiatry* 133: 313-316 1976.
- Describes the phases of trauma experienced by the survivors and assesses the future effects of this trauma.
2400. RASMUSSEN, DONALD L.
 Breathlessness in southern Appalachian coal miners. *Appalachia Medicine* Sept 1969 10-12.
- Studies of more than 4,000 bituminous coal miners in the laboratory lead us to conclude that disabling pulmonary insufficiency is common among bituminous coal miners.

2401. RASMUSSEN, DONALD L. AND C. W. NELSON
Respiratory function in southern Appalachian coal miners. *American Review of Respiratory Diseases* 103: 240-248 1971.
2402. RASMUSSEN, JEANNE M.
On the outside lookin' in. *Mountain Life & Work* Sept 1969 6-9+.

Describes and decries the arbitrary nature of health and survivor insurance and benefit funds available to coal miners.
2403. RAYMOND, R. W.
The hygiene of mines. *Transactions of the American Institute of Mining Engineers* 8: 97-120 1879.
2404. ROGAN, JOHN M.
Medicine in the mining industries. London: Heinemann, 1972. 397p.

Author, the Chief Medical Officer of the British National Coal Board, deals not only with disease entities but also such matters as dust control, accident prevention and rehabilitation.
2405. ROSEN, GEORGE
The history of miners' diseases, a medical and social interpretation. New York: Schuman, 1943. 490p.

The history of miners' health from earliest times through the 19th century. References are primarily to British and European mines, and include metal mining as well.
2406. ROY, ANDREW
Miners' hospitals. *Ohio Mining Journal* F 1889 23-27.

Author suggests establishment of state-supported hospitals in the mining regions. Report of Committee on Miners' Hospitals appears N 1890 29-31.
2407. SAFFORD, BERYL M.
"Changing a community's pattern of medical care: the Russellton experience." In *Health Services Administration: Policy Cases and the Case Method*, pp. 219-59. Edited by Roy Penchansky. Cambridge: Harvard University Press, 1968.

Account of the impact of the Russellton Medical Group in a coal mining area near Pittsburgh. The Group was established in 1952 under the auspices of the UMWA Welfare and Retirement Fund.

2408. SEMINAR ON COAL WORKERS' PNEUMOCONIOSIS FOR REHABILITATION PERSONNEL FROM REGIONS III AND IV, JOHNSTOWN, PA., 1971.
The vocational rehabilitation of coal workers with black lung disease. Johnstown, Pa., 1971. 138p.
2409. STACY, CHARLES B.
Medical service in coal fields. *Industrial Medicine* 18: 253-256 1949.
Pineville, Kentucky mine surgeon discusses aspects of serving a mining community and advantages of a contract or pre-paid medical plan.
2410. STEELE, H. E.
Negro and White miners under Alabama's pneumoconiosis law. *Industrial Medicine & Surgery* 31: 383-91 1962.
2411. STOECKLE, J. D. AND OTHERS
Respiratory disease in U. S. soft coal miners. *Journal of Chronic Diseases* 15: 887-905 1962.
2412. SYMPOSIUM ON COAL MINERS' PNEUMOCONIOSIS
Elkins, W. Va., 1952. 95p.
This symposium, held under the auspices of the Golden Clinic, was the first medical meeting in the U. S. devoted solely to the subject. It brought the more advanced British findings to the attention of American practitioners.
2413. SYMPOSIUM ON RESPIRABLE COAL MINE DUST
Washington: GPO, 1970. 297p. (U. S. Bureau of Mines. Information Circular 8458).
Proceedings were held Nov. 3-4, 1969 in Washington. Compiled by Richard M. Gooding.
2414. TABERSHAW, IRVING R.
The health of the coal miner: an expendable resource? *Journal of Occupational Medicine* 12: 453-57 1970.
2415. TAUBENHAUS, MARJORIE AND ROY PENCHANSKY
"The medical care program of the United Mine Workers Welfare and Retirement Fund." In *Health Services Administration: Policy Cases and the Case Method*, pp. 149-81. Edited by Roy Penchansky. Cambridge: Harvard University Press, 1968.
2416. TELEKY, LUDWIG
History of factory and mine hygiene. New York: Columbia, 1948. 342p.

2417. TITCHENER, JAMES L. AND FREDERIC T. KAPP
Family and character change at Buffalo Creek. *American Journal of Psychiatry* 133: 295-99 1976.
- "Traumatic neurotic reactions were found in 80% of the survivors. . . these had persisted for the two years since the flood, and a definite symptom complex labeled the "Buffalo Creek syndrome" was pervasive."
2418. UMW'S CHAIN OF TEN HOSPITALS
Architectural Forum Nov 1956 109-17.
- Well-illustrated description of the UMW hospitals in Appalachia. Another account appeared in the August 1953 issue of the same journal under the title "A hospital chain 250 miles long".
2419. U. S. BUREAU OF MINES
Coal mine health seminar. Washington: GPO, 1972. 44p.
(U. S. Bureau of Mines. Information Circular 8568).
- A joint staff conference of the Bureau of Mines and the National Institute for Occupational Safety and Health. Compiled by M. K. Hutchison.
2420. U. S. COAL MINE ADMINISTRATION
A medical survey of the bituminous coal industry. Washington: GPO, 1947. 244p.
- A work of the first importance. Survey was conducted by a U. S. Navy medical team headed by Admiral Joel T. Boone. The report fully and frankly describes the wretched health and living conditions in the coal fields. It did much to move public opinion to the miner's side and led directly to the establishment of the UMW Health and Retirement Funds.
2421. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. GENERAL SUBCOMMITTEE ON LABOR
Black lung benefits. Hearings. Washington: GPO, 1971. 174p.
2422. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. GENERAL SUBCOMMITTEE ON LABOR
Black lung benefits eligibility (oversight). Hearing. Washington: GPO, 1973. 172p.
2423. U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. SUBCOMMITTEE ON LABOR STANDARDS
Black lung benefits reform act of 1975. Washington: GPO, 1975. 238p.
- Hearings which include testimony by individuals representing insurance companies, medical research groups, the National Coal Association, etc,

2424. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE
Black lung benefits reform act. 1976. Washington: GPO, 1976. 819p.
2425. U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE. SUBCOMMITTEE ON LABOR
Black lung legislation, 1971-72. Hearings. Washington: GPO, 1972. 680p.
2426. U. S. PUBLIC HEALTH SERVICE
Anthraco-silicosis among hard coal miners. Washington: GPO, 1935. 114p. (Public Health Bulletin 221).
2427. WHITE, J. H.
Sanitation in mining towns. *Coal Age* 4: 59-61 1913.
2428. WIESEL, CARL AND MALCOLM ARNY
Psychiatric study of coal miners in eastern Kentucky area. *American Journal of Psychiatry* 108: 617-24 1952.
2429. WILKERSON, W. V.
Co-operative community medical service. West Virginia Coal Mining Institute. *Proceedings* 1947 70-75.

A defense of the contract medical service in the coal areas of southern West Virginia.
2430. WILLIAMS, PIERCE
The purchase of medical care through fixed periodic payment. New York: National Bureau of Economic Research, 1932. 308p.

Chapters five through eight deal specifically with the coal industry.
2431. WILSON, ISABELLA C.
Sickness and medical care among a rural bituminous coal-mining population of Arkansas. Fayetteville: University of Arkansas. 1940. 44p. (Agricultural Experiment Station Bulletin 394).
2432. ZAHORSKI, WITOLD W.
Coal workers' pneumoconiosis. Hanover: University Press of New England, 1974. 108p.

A summary of the "state of the art". Extensive bibliographies follow each chapter.

General Descriptive Accounts of Coal Regions and Fields

2433. ALLEN, JOSEPH H.
Coals and cokes of eastern Kentucky. AIME. *Transactions* 21: 53-60 1892/93.
2434. ALLEN, JOSEPH H.
Western Kentucky coals and cokes. AIME. *Transactions* 16: 581-93 1887/88.
2435. ANDREWS, EBENEZER B.
The lower Sunday Creek Valley (Ohio), its coal and iron ores; its shipping and manufacturing facilities. With a view of the markets for the Hocking coals. Columbus: Ohio State Journal. 1875. 67p.
2436. ASHBURNER, CHARLES A.
The anthracite coal beds of Pennsylvania. AIME. *Transactions* 11: 136-59 1882/83.
2437. ASHBURNER, CHARLES A.
Brazos coal field, Texas. AIME. *Transactions* 9: 495-506 1880-81.
2438. ASHBURNER, CHARLES A.
Brief description of the anthracite coal fields of Pennsylvania. Philadelphia, 1884. 32p.
"Paper read before the Engineers' Club of Philadelphia."
2439. ASHBURNER, CHARLES A.
Coal production in Utah, 1886. AIME. *Transactions* 16: 356-59 1887/88.
2440. ASHBURNER, CHARLES A.
The development and statistics of the Alabama coal fields for 1887. AIME. *Transactions* 17: 206-226 1888/89.

2441. ASHLEY, GEORGE H.
The eastern interior coal field. In USGS. 22nd Annual Report pt. 3 pp. 265-305 1902.
2442. ASHLEY, GEORGE H.
Rhode Island coal. Washington. 1915. 62p. (USGS Bulletin 615).
2443. BACHE, FRANKLIN
Arkansas-Indian Territory coal fields. *Engineering & Mining Journal* 76: 390-92 1903.
2444. BAIN, H. F.
The western interior coal field. In USGS. 22nd Annual Report pt. 3 pp. 333-66 1902.
2445. BARLOW, JAMES A.
Coal and coal mining in West Virginia. Morgantown: West Virginia Geological Survey, 1974. 63p. (W. Va. Geological Survey. Coal-Geology Bulletin no. 2).

A general account intended for the layman. Includes information ranging from the geology of coal to production statistics.
2446. BARNES, FARRELL F.
Coal resources of Alaska. Washington: GPO, 1967. 36p. (USGS Bulletin 1242B).
2447. BAUER, FREDERICK L.
Earning in bituminous coal mines, November 1962. *MLR* 86: 1153-56 1963.
2448. BELL, ISAAC L.
Notes on a visit to coal and iron mines and iron works in the United States. Newcastle-on-Tyne, 1875. 66p.
2449. BEMENT, A.
Illinois coal: a non-technical account of its occurrence, production and preparation. Urbana, 1929. 112p. (Illinois Geological Survey. Bulletin 56).
2450. BOTT, MATTHIAS W.
Some aspects of the coal mining industry in Monongalia County, West Virginia. Thesis. West Virginia University. 1949.
2451. BRADY, S. DUNLAP
A new West Virginia coal field. *Mining Congress Journal* Mr 1944 24-28.

2452. BREWER, W. M.
The Coosa coal field in Alabama. *Engineering & Mining Journal* 56: 7-8 1893.
2453. BRINSMADE, R. B.
Mining coal at Morgantown. West Virginia. *Engineering & Mining Journal* 92: 414-16 1911.
2454. BROOKS, ALFRED H.
The coal resources of Alaska. In USGS. *22nd Annual Report* pt. 3 pp. 515-71 1902.
2455. BROOKS, ALFRED H.
Geography in the development of Alaska coal deposits. Association of American Geographers. *Annals* 1: 85-94 1911.
2456. BROOKS, ALFRED H.
The outlook for coal mining in Alaska. AIME. *Transactions* 26: 489-507 1905.
2457. BROWN, GEORGE M.
The McAlester coal field in Oklahoma. *Coal Age* 4: 153-55 1913.
2458. BROWN, ROBERT
On the geographical distribution and physical characteristics of the coal fields of the north Pacific coast. Edinburgh Geological Society. *Transactions* 1: 305-25 1870.
2459. BUCK, STUART M.
Coal mining in the Kanawha Valley of West Virginia. In *Mineral Resources of the United States, 1883-84*. Washington: GPO, 1885. pp. 131-43.
2460. BURKE, J. W.
Mobile—the great coal port of the future: the coal fields of Alabama and the Great Warrior Basin. n.p., [1885]. 32p.
2461. BURROUGHS, WILBUR G.
The geography of the western Kentucky coal field. Frankfort: Kentucky Geological Survey, 1924. 211p.
2462. BUSH, B. F.
The coal fields of Missouri. AIME. *Transactions* 25: 903-17 1904.

2463. CAMPBELL, M. R. AND K. W. KEMBALL
The Deep River coal field of North Carolina. Chapel Hill, 1923. 95p. (North Carolina Geological & Economic Survey No. 33).
2464. CARDIFF COAL AND IRON COMPANY (CARDIFF, TENN.)
The town of Cardiff, and lands and mines of the company in Roane, Cumberland and Morgan counties. Boston, 1890. 23p.
2465. CARMIN, ROBERT M.
Coal mining industry of Guernsey County, Ohio. *Economic Geography* 19: 292-300 1943.
2466. CHANCE, HENRY M.
Report on an exploration of the coal fields of North Carolina. Raleigh: P. M. Hale, 1885. 66p.
2467. CLAGHORN, CLARENCE R.
Notes on the Bernice anthracite coal basin, Sullivan County, Pennsylvania. AIME. *Transactions* 17: 606-16 1888/89.
2468. CLEARFIELD (PENNSYLVANIA) COAL REGION
Black Diamond 6: 60-61 1890/91.
Includes an account of the coal companies active in the area.
2469. COAL MINES OF UTAH AND WYOMING
Coal 2: 19-20 1883.
2470. COLLIER, ARTHUR J.
The Arkansas coal field. Washington: GPO, 1907. 158p. (USGS. Bulletin 326).
2471. COLLIER, ARTHUR J.
Coal resources of the Yukon. Washington: GPO, 1903. 71p. (USGS. Bulletin 218).
2472. COLLIER, ARTHUR J.
Geology and coal resources of the Cape Lisburn region, Alaska. Washington: GPO, 1906. 54p. (USGS. Bulletin 278).
2473. COLTON, HENRY
The Upper Measure coal field of Tennessee. AIME. *Transactions* 14: 292-305 1885/86.

2474. CRANE, W. R.
Coal mining in Arkansas. *Engineering & Mining Journal* 80: 774-77 1905.
2475. CRANE, W. R.
Coal mining in the Indian Territory. *Engineering & Mining Journal* 81: 658-60 1906.
2476. CRANE, W. R.
Coal mining in the Indian Territory—the southwestern field. *Engineering & Mining Journal* 76: 577-81 1903.
2477. CRANE, W. R.
Coal resources of Alaska. American Mining Congress. *Proceedings* 16: 192-205 1913.
2478. CRANE, W. R.
The Kansas coal mines of the Mississippi Valley. *Engineering & Mining Journal* 74: 514-16 1902.
2479. CRANE, W. R.
Kansas coal mining. *Engineering & Mining Journal* 72: 748-52 1901.
2480. CRANE, W. R.
The Pratt coal mines in Alabama. *Engineering & Mining Journal* 79: 177-80 1905.
2481. DALSTED, NORMAN L. AND F. L. LEISTRITZ
North Dakota coal resources and development potential *North Dakota Farm Research* J1/Ag 1974 3-11.
2482. DILWORTH, J. B.
The Black Mountain coal district, Kentucky. *AIME Transactions* 43: 129-56 1912.
2483. D'INVILLIERS, E. V.
Report on the property of the Coal River Land Company (Logan & Boone counties, West Virginia). n.p., 1910. 20p.
Includes information on mining costs, markets, etc.
2484. DOERR, ARTHUR
Coal mining and changing land patterns in Oklahoma. *Land Economics*. 38: 51-56 1962.

2485. DOERR, ARTHUR
Coal mining and landscape modification in Oklahoma. Norman: University of Oklahoma. 1961. 48p. (Oklahoma Geological Survey. Circular 54).
2486. DOERR, ARTHUR
Geography of the coal industry of Williamson and Granklin counties, Illinois. Thesis. Indiana University. 1948.
2487. DOERR, ARTHUR AND LEE GUERNSEY
Man as a geomorphological agent: the example of coal mining. Association of American Geographers. *Annals* 46: 197-210 1956.

Account of the effects of coal mining on the physical landscape.
2488. DOERR, ARTHUR
Williamson and Franklin counties: coal counties of southern Illinois. *Journal of Geography* 49: 193-200 1950.
2489. EASTON, H. D.
The cannel coal fields in Kentucky. *Coal Age* 2: 454-56 1912.
2490. EDWARDS, WILLIAM S.
Coal and coke in West Virginia. Cincinnati: R. Clarke, 1892. 162p.

Covers the southern West Virginia fields only.
2491. EVANS, GEORGE W.
Alaskan coal fields. AIME. *Transactions* 66: 286-98 1921.
2492. EVANS, GEORGE W.
Coal mining problems in the State of Washington. Washington: GPO, 1924. 19p. (U. S. Bureau of Mines. Bulletin 190).
2493. FENNEMAN, N. M. AND HOYT S. GALE
The Yampa coal field, Routt County, Colorado. Washington: GPO, 1906. 96p. (USGS. Bulletin 297).
2494. FISHER, WALTER L.
Alaska coal problems. Washington: GPO, 1912. (U. S. Bureau of Mines. Bulletin 36).
2495. FLORANCE, J. E.
Alaskan coal fields; their possibilities and their plight. *Engineering Magazine* 46: 881-90 1913/14.

2496. FOWLER, GEORGE L.
Coals and coal mining methods of the Pocahontas field.
Engineering Magazine 27: 217-32 1904.
2497. FULTON, JOHN
Coal mining in the Connellsville coke region of Pennsylvania. AIME. *Transactions* 13: 330-41 1884/85.
2498. GALE, HOYT S.
Coal fields of northeastern Utah. Washington: GPO, 1910. 265p. (USGS. Bulletin 265).
2499. GASPER, DONALD
A geographic analysis of bituminous coal mining in Jefferson County, Pennsylvania. Thesis. Penn State College. 1951.
2500. GIBSON, A. M.
The coal measures of Blount Mountain (Alabama). Montgomery: Brown Printing Co., 1893. 80p. (Alabama Geological Survey. Special Report No. 5).
"More coal had been developed in one season by the Geological Survey than had been done by all preceding prospectors."
2501. GIBSON, A. M.
The Coosa coal field (Alabama). Montgomery: Roemer Printing Co., 1895, 143p. (Alabama Geological Survey. Special Report No. 7).
"The Geological Survey is, at this time, the only agency at work for the development of this coal field."
2502. GLENN, L. C.
Coal resources of the south. Southern Commercial Congress. *Proceedings* 1908 256-65.
2503. GOODYEAR, WATSON A.
Coal mines of the western coast of the United States. San Francisco: A. L. Bancroft, 1877. 153p.
2504. GREEN, STEPHEN H.
Coal and coal mining in Washington. Olympia, 1947. 41p. (Washington. Dept. of Conservation & Development. Division of Mines & Geology. Report of Investigations 4R).
2505. GRIESS, P. R. AND G. F. DEASY
Some regional differences in the decline of Pennsylvania's anthracite industry and their implications in area development. Pennsylvania Academy of Science. *Proceedings* 36: 247-54 1962.

2506. GRIFFITH, W. T.
Big Sandy coal fields, Kentucky. *Engineering & Mining Journal* 92: 508-10 1911.
2507. HALE, PETER M.
In the coal and iron counties of North Carolina. Raleigh, 1883. 425p.
2508. HALL, R. D.
The Fairmont, West Virginia coal region. *Coal Age* 1: 138-43 1911/12.
2509. HALL, R. D.
Georges Creek coalfield, Maryland. *Coal Age* 1: 10-14 1911/12.
2510. HANES, J. E. AND FLOYD W. PARSONS
Coal mining in Colorado. *Engineering & Mining Journal* 82: 793-95 1906.
2511. HAUGHT, OSCAR L.
Coal and coal mining in West Virginia. Morgantown: West Virginia Geological and Economic Survey, 1964. 38p.
2512. HAYES, CHARLES W.
The coal fields of the United States. In USGS. 22nd Annual Report pt. 3: 7-24 1902.
2513. HAYES, CHARLES W.
The Southern Appalachian coal field. In USGS. 22nd Annual Report pt. 227-63 1902.
2514. HEWITT, G. C.
The northwestern Colorado coal region. AIME. *Transactions* 17: 375-80 1888/89.
2515. HILL, F. A.
Coal mining in Washington. AIME. *Transactions* 61: 371-74 1918.
2516. HODGE, JAMES M.
The Big Stone Gap coal field. AIME. *Transactions* 21: 922-38 1892/93.
2517. HOLMES, CHARLES
Coal mining in Michigan. *Mines & Minerals* 20: 59-62 1899/1900.

2518. HOSEA, R. M.
Anthracite coal mining in Colorado. *Engineering & Mining Journal* 82: 399-401 1906.
2519. HOTCHKISS, JEDEDIAH
Report on the property of the Cabin Creek and Coal River Land Association. Staunton, Virginia, 1866, 8p.
2520. HUGHES, GEORGE W.
Report of an examination of the coal measures. including the iron ore deposits, belonging to the Maryland Mining Company, in Allegany County; and a survey for railroad from the mines to the Chesapeake and Ohio Canal, at Cumberland . . . Together with the memorial to the Legislature of Maryland, and other documents. Washington: National Intelligencer Office, 1836. 78p.
2521. HUNT, T. S.
Coal and iron in Alabama. *Coal* 2: 66-68 1883.
2522. HUNT, T. S.
Coal and iron in southern Ohio. Boston: Cassino, 1881. 152p.
2523. HUNT, T. S.
Coal and iron of southern Ohio considered with relation to the Hocking Valley coal field . . . followed by a view of the coal trade of the West. Salem, Massachusetts: Naturalist's Agency, 1874. 78p.
2524. JACKSON COUNTY, OHIO COAL FIELD
Black Diamond 6: 17-18 1890/91.
2525. JARRETT, F. G.
Coal mining in Carbonado, Washington. *Coal Age* 14: 308-12 1918.
2526. JOHNSON, JASPER
The Wilmington, Illinois coal field. AIME. *Transactions* 3: 188-202 1874/75.
2527. JOHNSON, WALTER J.
The coal industry in northern Wyoming and the State of Montana. *Mining Engineering* 5: 1262-71 1953.

2528. KEIGHLEY, F. C.
The Connellsville Coke region. *Engineering Magazine* 20: 17-40 1901.
2529. KILLEBREW, JOSEPH
Iron and coal of Tennessee. Nashville, 1881. 220p.
2530. KILLEBREW, JOSEPH
Special report on the coalfield of Little Sequatchee, with a general description of the Cumberland table-land. Nashville, 1876. 40p.
2531. KIMBALL, JAMES P.
The Quemahoning coalfields of Somerset County, Pennsylvania. AIME. *Transactions* 12: 468-96 1883/84.
2532. KOENIG, GEORGE A. AND OTHERS
Expert reports on the mineral properties of the East Tennessee Land Company. New York: South Publishing Co., 1891. 44p.
2533. KUHN, H. A.
The Pittsburgh coal fields in Western Pennsylvania. AIME. *Transactions* 50: 640-57 1914.
2534. LANE, ALFRED C.
Coal in lower Michigan. Saginaw, 1899. 36p.
2535. LANE, ALFRED C.
The northern interior coal fields. In USGS. 22nd Annual Report pt. 3 pp 307-31 1902.
2536. LEWIS, ROBERT S.
The Book Cliffs coal field, Utah. AIME. *Transactions* 50: 658-78 1914.

Includes account of companies active in the field.
2537. LUTHER, EDWARD T.
The Coal industry of Tennessee. Nashville: State Department of Conservation & Commerce. Division of Geology, 1960. 58p. (*Its* Information Circular No. 10).
2538. LUTHER, EDWARD T.
The coal reserves of Tennessee. Nashville: State Department of Conservation and Commerce. Division of Geology. 1959. 294p. (*Its* Bulletin 63).

2539. MC CALLEY, HENRY
Coal measures of the Plateau Region of Alabama; including a report on the coal measures of Blount County, by A. M. Gibson. Montgomery: Smith, Alfred & Co., 1891. 238p. (Alabama Geological Survey. Special Report No. 3).
2540. MC CALLEY, HENRY
The Warrior coal field (Alabama). Montgomery: Bartlett & Co., 1886. 571p. (Alabama Geological Survey. Special Report No. 1).
2541. MAC FARLANE, JAMES
The coal regions of America; their topography, geology and development. New York: Appleton, 1873. 679p.
2542. MAC FARLANE, GRAHAM
The eastern coal regions of Kentucky. AIME. *Transactions* 25: 518-32 1895.
2543. M'KILLOP, JAMES
Coal and American coal mining. Airdrie: Baird & Hamilton, 1876. 91p.
"The result of observations made by me during a visit to America in 1869."
2544. MARTIN, G. C.
A reconnaissance of the Matanuska coal field, Alaska. Washington: GPO, 1906. 36p. (USGS. Bulletin 289).
2545. MAURY, MATTHEW F.
The resources of the coal field of the Upper Kanawha, with a sketch of the iron belt of Virginia, setting forth some of the markets and means of development. Baltimore: Sherwood. 1873. 44p.
2546. MAURY, RICHARD L.
Report on the lands on the Old Dominion Coal Company, and the Kanawha Coal Company, in the Kanawha Valley, W. V. Richmond: Clemmitt & Jones, 1872. 24p.
2547. MELL, P. H.
The coal and iron interests of Alabama. *Coal* 1: 389-91 1882.
2548. MILLER, B. L.
The tertiary coal fields of the Rio Grande. *Coal Age* 4: 260-63 1913.

2549. MILLER, E. WILLARD
Connellsville beehive coke region, a declining mineral economy. *Economic Geography* 29: 144-58 1953.
2550. MURPHY, RAYMOND AND MARION
Anthracite region of Pennsylvania. *Economic Geography* 14: 338-48 1938.
2551. NELSON, WILBUR A.
The southern Tennessee coal field. Nashville: Tennessee. Division of Geology, 1925. 239p. (*Its Bulletin* 33-A).
2552. NORTHERN WEST VIRGINIA COAL OPERATORS ASSOCIATION
The coal industry of the State of West Virginia. Fairmont, W. Va., 1923. 64p.
2553. NORTON, R. HENRY
Notes on coal mining in Oregon. AIME. *Transactions* 19: 23-28 1890/91.
2554. OHIO. MINING COMMISSION, 1871
Report. Columbus: Nevins & Myers. 1872. 199p.
- 2554a. OLIN, H. L.
Coal mining in Iowa. Des Moines: State Mining Board, 1965. 96p.
2555. PARSONS, FLOYD W.
The coal mines of southern Wyoming. *Engineering & Mining Journal* 85: 118-20 1908.
2556. PARSONS, FLOYD W.
Coal mining in southern West Virginia. *Engineering and Mining Journal* 84: 881-85 1907.
2557. PARSONS, FLOYD W.
Coal mining in the Fairmont Field, West Virginia. *Engineering & Mining Journal* 82: 1018-20, 1070-74 1906.
2558. PARSONS, FLOYD W.
The coal mining situation in northern Wyoming. *Engineering and Mining Journal* 84: 930-35 1907.
2559. PARSONS, FLOYD W.
Mining coal on the Virginian Railroad. *Coal Age* 1: 1039-43 1911/12.

2560. PARSONS, FLOYD W.
Mining in the George's Creek coal field. *Engineering & Mining Journal* 82: 687-91 1906.
2561. PARSONS, FLOYD W.
Montana's great coal fields and its collieries. *Engineering and Mining Journal* 84: 978-81 1907.
2562. PAYNE, HENRY M.
Future of the Williamson and the Tug River coal field. *Illustrated Monthly West Virginian* Ag 1908 45-49.
2563. PAYNE, HENRY M.
Mining coal in Texas. *Engineering & Mining Journal* 91: 626-27 1911.
2564. PECK, W. R. AND R. J. SAMPSON
The Harlan coal field in Kentucky. *Coal Age* 3: 796-800 1913.
2565. PECK, W. R.
The pocket coal field of Lee County, Virginia. *Coal Age* 5: 761-3 1914.
2566. PELTIER, M. F.
Coal mining in northern Wyoming. *Coal Age* 10: 832-34 1916.
2567. PIERCE, R. A.
The lignite fields of Colorado. *Coal Age* 1: 534-38 1911/12.
2568. PULTZ, JOHN L.
The Big Stone Gap coal field of Virginia and Kentucky. *Engineering Magazine* 28: 71-85 1904/5.
2569. RAMSEY, E.
The Pratt mines of the Tennessee Coal, Iron and Railroad Company, Alabama. *AIME. Transactions* 19: 296-313 1890/91.
2570. RANDOLPH, BEVERLEY S.
Seaboard coal regions along the Baltimore & Ohio Railroad. *Mining Magazine* 11: 229-32 1905.
The area about Fairmont, West Virginia.

2571. REYNOLDS, W. C.
Report on the Coal River coal field (West Virginia) Charleston, 1897. 11p.
Made for the proposed Coal River Railroad Co.
2572. RICHARDSON, G. B.
Reconnaissance of the Book Cliffs coal field, between Grand River, Colorado and Sunnyside, Utah. Washington: GPO, 1909. 54p. (USGS. Bulletin 371).
Pp. 47-51 on market and development.
2573. ROBINSON, NEIL
The Kanawha and New River coal fields of West Virginia. Charleston, 1904. 23p.
2574. ROCKWELL, CLEVELAND
The Coos Bay coal fields (Oregon). *Engineering & Mining Journal* 73: 238-40, 270-71 1902.
2575. ROLLER, ANNE H.
Wilkes-Barre: an anthracite town. *Survey* 55: 534-38 1926.
2576. ROWE, J. P.
The coal industry of Montana. *Engineering & Mining Journal* 85: 1055-58 1908.
2577. ROWE, J. P.
The Montana coal fields: their commercial value. *Mining Magazine* 11: 241-50 1905.
2578. ROY, ANDREW
Coal mining in Ohio. *Ohio Mining Journal* 2: 3-15 1883/84.
2579. ROY, ANDREW
The Thacker coal field of West Virginia. *Mines & Minerals* 19: 472 1898/99.
Early notice of the opening of the Williamson Field.
2580. SAWARD, FREDERICK
The coal mines of Pennsylvania. New York: Coal Trade Journal, 1880. 72p.
Gives names and locations of mines, amount produced, names of operators, etc.
2581. SCHAEFER, CHARLES B.
The coal fields of Saginaw, Mich. Saginaw, 1898. 88p.

2582. SCOTT, ADDISON
Coal commerce and development in the Great Kanawha Valley. Charleston: Daily Gazette, 1891. 9p.
A plea for the development of the Great Kanawha River in order to speed the development of the adjacent coal fields.
2583. SHAW, A. H.
The Arkansas semi-anthracite field. *Coal Age* 2: 486-88 1912.
2584. SHEAFER, PETER W.
Report on Cahaba Coal Company's lands, Shelby, Alabama. Pottsville, Pa. 1880. 14p.
2585. SHERIDAN, J. E.
The coal mines and plant of the Stag Canon Fuel Co., Dawson, N. M. AIME. *Transactions* 40: 354-81 1909.
2586. SHURICK, A. T.
The Diamondville coal field, Wyoming. *Engineering & Mining Journal* 85: 118-20 1908.
2587. SHURICK, A. T.
The Federal Valley field in Ohio. *Coal Age* 1: 1236-38 1911/12.
2588. SIMMONS, JESSE
The Cambria coal fields in Wyoming. *Coal Age* 1: 766-68 1911/12.
2589. SIMMONS, JESSE
The Sheridan, Wyoming coal field. *Coal Age* 1: 866-68, 932-34, 1911/12.
2590. SMITH, GEORGE O.
The coal fields of the Pacific coast. In USGS. 22nd Annual Report pt. 3 pp 473-513 1902.
2591. SMITH, THOMAS G.
Report on the mineral lands and resources of the Alabama & Chattanooga Railroad Company. Troy, New York: Young & Blake, 1871. 47p.
2592. SNOW SHOE COAL FIELD
Coal 1: 366 1882.
Glowing account of the economic future of the area (Centre County, Pennsylvania).

2593. SQUIRE, JOSEPH
The Cahaba coal field (Alabama). Montgomery: Brown Printing Co., 1890. 189p. (Alabama Geological Survey. Special Report No. 2).
2594. STEBINGER, EUGENE
The coal fields of Montana. AIME. *Transactions* 46: 889-919 1913.
2595. STEEL, ALVIN A.
Coal mining in Arkansas. Little Rock: Democrat Printing, 1910. 632p.
Covers all aspects of the industry, both economic and technical.
2596. STOEK, H. H.
The Pennsylvania anthracite coal field. In USGS. 22nd Annual Report pt. 3 pp 55-117 1902.
2597. STONE, RALPH W.
Coal resources of the Russell Fork Basin in Kentucky and Virginia. Washington: GPO, 1908. 127p. (USGS. Bulletin 348).
2598. STORRS, ARTHUR H.
The anthracite coal fields of Pennsylvania. *Mining Magazine* 11: 211-21 1905.
2599. STORRS, L. S.
The Rocky Mountain coal field. In USGS. 22nd Annual Report pt. 3 pp 415-71 1902.
2600. STOW, AUDLEY H.
Mining in the Pocahontas field. *Coal Age* 3: 594-600 1913.
2601. TAFF, JOSEPH A.
The southwestern coal field. In USGS. 22nd Annual Report pt. 3 pp 367-413 1902.
2602. TENNESSEE. BUREAU OF AGRICULTURE, STATISTICS AND MINES
Coal. Report of Henry E. Colton . . . Nashville: A. B. Taval, 1883. 128p.
2603. TENNESSEE COAL, IRON AND RAILROAD CO.
Descriptions of plants and mines, with illustrations. Birmingham, Alabama. 1900. 174p.

2604. TENNESSEE ENERGY OFFICE
Coal in Tennessee. Nashville, 1975. 127p.
2605. THREE DAYS AMONG THE COAL MINES OF JACKSON COUNTY,
OHIO
Black Diamond N 1, 1888 203-5.
2606. TOENGES, ALBERT L.
Coal development in Alaska. *Mining Engineering* 1: 361-
64 1949.
2607. TRINIDAD, COLORADO: THE CENTER OF THE LAS ANIMAS COAL
FIELD
Black Diamond Mr 1888 7-10.
2608. TWO COUNTIES MINE COAL THE HARD WAY
Business Week S 12, 1953 90-94.

Description of the small non-union mines in Leslie and Clay coun-
ties Kentucky.
2609. VAUGHAN, THOMAS W.
Reconnaissance on the Rio Grande coal fields of Texas.
Washington: GPO, 1900. 100p. (USGS. Bulletin 164).
2610. WATTS, ALFRED C.
Coal mining in Carbon County, Utah. *Coal Age* 3: 400-4
1913.
2611. WEEKS, JOSEPH D.
The Elk Garden and Upper Potomac coal fields of West
Virginia. AIME. *Transactions* 24: 351-64 1894.
2612. WELLMAN, WALTER
Fairmont coal region, a treatise; by Walter Wellman . . .
[Chicago, 1902]. 48p.

Reprint from Chicago Record-Herald.
2613. WETHERILL, J. PRICE
An outline of anthracite coal mining in Schuylkill County,
Pennsylvania. AIME. *Transaction* 5: 402-22 1876/77.
2614. WHITE, DAVID AND OTHERS
The Northern Appalachian coal field. In USGS. 22nd An-
nual Report pt. 3 pp 119-225 1902.

2615. WHITE, I. C.
The barren zone of the Northern Appalachian coal field and its relation to Pittsburgh's industries. American Mining Congress. *Proceedings* 11: 166-76 1908.
"If this waste continues, some of you in this audience will see the finish in the northern Appalachian field of all cheap and easily won coal."
2616. WHITE, I. C. AND OTHERS
The Pittsburgh coal bed. AIME. *Transactions* 74: 481-506 1926.
2617. WHITE, I. C.
The waste of our fuel resources. [Morgantown, W. Va., 1908]. 31p.
2618. WHITESIDE, F. W.
Central coal fields in Colorado. *Coal Age* 2: 2-5 1912.
2619. WHITESIDE, F. W.
The Trinidad district in Colorado. *Coal Age* 1: 632-35, 664-67 1911/12.
2620. WHITESIDE, F. W.
The Yampa coal field of Colorado. *Coal Age* 11: 654-57 1917.
2621. WOLFE, MARSHALL L.
Coal mining in Bates County. Missouri. *Coal* 2: 412-13 1883.
2622. WOODWORTH, JAY B.
The Atlantic Coast triassic coal field. In USGS. Annual Report 22 pt. 3 pp 25-53 1902.
2623. YOUNG, C. M.
The coal industry of Illinois. AIME. *Transactions* 57: 560-78 1917.
2624. ZIERER, CLIFFORD M.
The status of Scranton's mining industry. Geographical Society of Philadelphia. *Bulletin* 26: 11-28 1928.

Miscellaneous and Addenda

2625. ABOVEGROUND SCHOOL FOR UNDERGROUND WORKERS
Coal Age Sept 1970 80-82.
Account of training program for new miners operated by Kerr-McGee.
2626. AGOR, JOSEPH
Bootleg coal industry. *American Mercury* 34: 416-21 1935.
In the anthracite region of Pennsylvania.
2627. ALDRIDGE, M. D.
Analysis of communication systems in coal mines. Morgantown: West Virginia University, 1973. 128p.
2628. ALFORD, NEWELL G.
Analysis of bituminous coal mines suspended from 1923 to 1932, inclusive. AIME. *Transactions* 108: 476-88 1934.
2629. ANDROS, STEPHEN O.
Coal mining in Illinois. Urbana: University of Illinois. 1915. 250p. (Illinois Coal Mining Investigations . . . Bulletin 13).
2630. ASHLEY, GEORGE H.
Cannel coal in the United States. Washington: GPO, 1918. 127p. (USGS. Bulletin 659).
2631. AVERITT, PAUL AND LORREDA LOPEZ
Bibliography and index of United States Geological Survey publications relating to coal, 1882-1970. Washington: GPO, 1972. 173p. (USGS Bulletin 1377).
A supplement covering the period 1971-1974 compiled by Flora Walker was issued as USGS Circular 709.

2632. AVERITT, PAUL
Coal resources of the United States. January 1, 1974.
Washington: GPO, 1975. 131p. (USGS Bulletin 1412).
"A summary of information concerning the quantity and distribution of coal in the United States". Supersedes Bulletin 1275.
2633. BAGGE, CARL E.
Coal, an overlooked energy source. Washington: National Coal Association, 1972. 24p.
2634. BAGGE, CARL E.
Coal: energy key to world stability. *Vital Speeches* J1 1, 1973 569-74.
2635. BAILEY, CAROL
Training for coal miners in cooperation with the public schools of Tennessee. Thesis. University of Tennessee. 1952.
2636. BASS, N. WOOD AND OTHERS
Standards for the classification of public coal lands. Washington: GPO, 1970. 10p. (USGS Circular 633).
2637. BEEBE, GILBERT W.
Differential fertility by color for coal miners in Logan County, West Virginia. *Milbank Memorial Fund Quarterly* 19: 189-95 1941.
2638. BEMENT, ALBURTO
The Peabody atlas. Shipping mines and coal railroads in the central commercial district of the United States. Chicago: Peabody Coal Co., 1906. 149p.
2639. BENDALL, JOHN W.
A study of the Minnesota multiphasic personality inventory and its use in identification of acceptable mine foremen. Thesis. West Virginia University. 1955.
2640. BOBICK, THOMAS G. AND DENNIS A. GIARDINO
The noise environment of the underground coal mine. Washington, 1976. 26p. (U. S. Mining Enforcement and Safety Administration. Information Report 1034).
2641. BOOTLEG MINING OF ANTHRACITE
MLR 45: 1323-26 1937.

2642. BORSODI, WILLIAM
Coal advertising; a collection of selling phrases, descriptions and illustrated advertisements. New York: Advertisers' Cyclopedia Company, 1910. 128p.
2643. BRITISH COAL MINING PRODUCTIVITY TEAM
Coal; report of a productivity team representing the British coal mining industry which visited the United States of America in 1951. London: Anglo-American Council on Productivity. 1951. 107p.
2644. BURNES, H. S.
Socially optimal tax policy requirements for the coal industry. Lexington: University of Kentucky, 1975. 48p.
2645. CALDWELL, WALTER
Coal company scrip. Fayetteville, W. Va. 1969. 81p.
Contains an alphabetical listing of coal companies which issued scrip.
2646. CANADA. COMMISSION ON CONSERVATION. COMMITTEE ON MINERALS
Conservation of coal in Canada, with notes on the principal coal mines, by W. J. Dick. Toronto: Bryant Press, 1914. 212p.
2647. CANADA. DEPARTMENT OF LABOUR
Combines Investigation Act. Investigation into an alleged combined in the importation and distribution of British anthracite coal in Canada. Ottawa, 1936. 223p.
2648. CANADA. ROYAL COMMISSION ON COAL
Report of the Royal commission on coal, 1946. Ottawa: E. Cloutier, 1947. 663p.
2649. CANADA. ROYAL COMMISSION ON COAL
Report. Ottawa, 1960. 127p.
2650. CANADA. STATISTICS CANADA. MANUFACTURING & PRIMARY INDUSTRIES DIVISION
Coal mines. Mines de charbon. Ottawa 1970.
Continues "Coal Mining Industry," issued by the Bureau of Statistics. The source of official statistics on the Canadian coal industry.
2651. CANNEL COAL COMES INTO USE AS A SUBSTITUTE FUEL
Pennsylvania Dept. of Internal Affairs. *Monthly Bulletin* F 1943 9-11.

2652. CASEY, KATHRYN P.
Bituminous coal handbook; Bituminous coal act of 1937, rules of practice and procedure, rules and regulations for registration, marketing rules and regulations, comptroller general's decisions, general orders and schedules of discounts, statements, opinions and rulings. Albany: M. Bender & Co., 1942. 423p.
2653. CASSANO, JAMES
Mechanization of western coal mines. Colorado School of Mines. *Quarterly* 45 No. 2B (1950) 13-25.
2654. CHANCE, HENRY M.
The available tonnage of the bituminous coal fields of Pennsylvania. AIME. *Transactions* 10: 144-62 1881/82.
2655. CHICAGO COAL BOARD
Black Diamond 6: 760 1890/91.
Account of formation.
2656. CLEGG, HERMAN D.
The evaluation of a psychological test battery as a selective device for foremen in the mining industry. Thesis. West Virginia University. 1962.
2657. COAL TRADE ASSOCIATION OF INDIANA
Coal production in Indiana by rail-shipping mines, 1926-1950, classified by railroads. showing individual mine production, vein of coal. and type of operation. Terre Haute, 1951. 37p.
2658. DADDOW, SAMUEL H.
Coal, iron and oil. Pottsville & Philadelphia, 1866. 808p.
"A plain and popular work on our mines and mineral resources".
2659. DAVIES, MATTHEW J.
The care of mine mules. *Coal Age* 1: 1021-22 1911/12.
2660. DEASY, GEORGE F. AND PHYLLIS R. GRIESS
Geographical significance of recent changes in mining in the bituminous coal fields of Pennsylvania. *Economic Geography* 33: 283-98 1957.
2661. DEJU, RAUL A.
Extraction of minerals and energy: today's dilemma. Ann Arbor: Ann Arbor Science Publishers, 1974. 301p.

Contains a number of useful articles on the ecological, economic and social aspects of coal mining.

2662. DERZAY, RAYMOND
Hearing conservation for the mineral industry. Washington: GPO, 1972. 42p. (U. S. Bureau of Mines. Information Circular 8564).
2663. DEVINE, EDWARD T.
Fact-finding in the coal industry. Academy of Political Science. *Proceedings* 13: 5-13 1928.

It is in the interest of the public and the industry itself that more information be developed and made available.
2664. DISTRIBUTION AND USE OF BITUMINOUS COAL IN COLUMBUS, OHIO
Columbus: Ohio State University, 1933. 43p. (OSU. Bureau of Business Research, Special Report 44).
2665. DOTSON, JOHN A.
The public school in the mining industry. Thesis. University of Kentucky. 1931.
2666. DOWLING, DONALDSON B.
Coal fields and coal resources of Canada. Ottawa: Government Printing Bureau, 1915. 174p. (Canada. Geological Survey. Memoir 59).
2667. DRYDEN, IAN G.
Carbonization and hydrogenation of coal. New York: United Nations, 1973. 137p.
2668. DURRETT, HAROLD L.
A validation study of a psychological test battery for selection of Joy ripper-type continuous miner operators. Thesis. West Virginia University 1960.
2669. EDMUNDS, WILLIAM E.
Coal resources of Pennsylvania: total, recoverable and strippable. Harrisburg, 1972. 40p. (Topographic and Geologic Survey. Information Circular 72).
2670. EDWARDS, R. G. AND OTHERS
Social, economic, and environmental impacts of coal gasification and liquefaction plants. Lexington: University of Kentucky, 1976. 270p.

Includes a useful bibliography, pages 235-65.

2671. EGGLESTON, RICHARD C.
Forestry for mining companies. West Virginia Coal Mining Institute. *Proceedings* 1911 270-88.
2672. ELDER, JAMES L. AND WAYNE R. KUBE
Technology and use of lignite. Washington: GPO, 1966. 124p. (U. S. Bureau of Mines. Information Circular 8304).

The proceedings of one of a series of conferences on the utilization of lignite held by the U. S. Bureau of Mines and the University of North Dakota.
2673. EMERY, JAMES A.
A public policy for the coal industry. American Mining Congress. *Proceedings* 25: 99-105 1922.
2674. ESFANDIARY, MARY S.
Coal research organizations; their activities and publications. Washington: GPO, 1961. 64p. (U. S. Bureau of Mines. Information Circular 8008).
2675. FERNOW, B. E.
The mining industry in its relation to forestry. AIME. *Transactions* 17: 264-75 1888/89.
2676. FEY, ARTHUR W. (CARL CORLSEN, PSEUD.)
Buried black treasure; the story of Pennsylvania anthracite. Bethlehem, Pennsylvania, 1954. 112p.
2677. FLYNN, ELIZABETH G.
Coal miners and the war. New York: Workers Library, 1942. 15p.
2678. FORBES, R. D.
Anthracite region discovers its "surface." *American Forests* 50: 424-27 1944.

Development of scientific forestry in the Pennsylvania anthracite region.
2679. FORBES, R. D.
Forests and jobs in the anthracite region of Pennsylvania. *Journal of Forestry* 39: 197-201 1941.
2680. FOSTER, J. S.
Taxpayers' associations; their origin and how they have been operated in the anthracite coal region. *Mines & Minerals* 20: 345-47 1899/1900.

2681. CAUGER, A. W.
Coal and research—two great national resources. *Coal Utilization D* 1952 23-33.
2682. GIBBS AND HILL, INC.
Development of an overall economic/environmental plan for Monongahela River Basin. New York, 1974. 1 vol. (Prepared for the Appalachian Regional Commission).
2683. GILBERT, OSCAR E. AND W. E. SMITH
Bibliography of Alabama coal. University: Geological Survey of Alabama, 1972. 55p. (Circular 77).
2684. GILBERTSON, H. S.
Introducing the practical man to modern management. *Ann. Amer. Acad.* 119: 115-20 1925.

Discusses efforts to give the mine foreman a broader "company-wide" viewpoint.
2685. GILLESPIE, MARIE
Coal mining taxes in Montana. *Montana Business Quarterly*. Winter 1974 23-26.
2686. GLASS, GARY B. AND RICHARD W. JONES
Bibliography of Wyoming coal. Laramie: Geological Survey of Wyoming, 1974. 163p.
2687. GOODMAN, GORDON T. AND SHIRLEY A. BRAY
Ecological aspects of the reclamation of derelict and disturbed land. Norwich: University of East Anglia, 1975. 351p.

Over 500 items in this annotated bibliography deals with the effects of coal mining.
2688. GORDON, RICHARD L.
Historical trends in coal utilization and supply. University Park: Pennsylvania State University, 1976. vp.

A report prepared for the U. S. Bureau of Mines.
2689. GRAVITY COAL PIERS AT HOBOKEN
Scientific American 46: 226-27 1882.

Contains a number of illustrations of the methods used in handling "the enormous traffic in coal."

2690. GREENE, HOMER
Coal and the coal mines. Boston: Houghton Mifflin, 1889.
246p.
On cover: The Riverside Library for Young People.
2691. HAAS, FRANK
Conservation in West Virginia. *Coal Age* 2: 872-74 1912.
The coal producers operate far more efficiently and with less waste
than the coal consumers.
- 2691a. HAMILTON, PATRICK A. AND OTHERS
The reserve base of U. S. coals by sulfur content: the Western states. Washington: GPO, 1975. 322p. (U.S. Bureau of Mines. Information Circular 8693).
2692. HAMMOND, ALLEN L.
Coal research. *Science* Ag 20, 1976 655-67; Ag 27, 1976 750-53.
2693. HARDY, CARROLL F.
The position of coal—present and future. Kentucky Mining Institute. *Proceedings* 11: 46 58 1952/53.
2694. HARDING, G. E.
American coal production and use. *Economic Geography* 22: 46-53 1946.
2695. HAUGHEE, J. W.
The dog mines of Muskingum County (Ohio). *Ohio Mining Journal* N 1890 93-95.
Dogs were used to haul coal in the mines.
2696. HEDLIN, MENZIES & ASSOCIATES
Impact of the coal mining operations of Kaiser Resources Ltd. on the Canadian economy. Vancouver: Kaiser Resources, 1969. 97p.
2697. HEINRICH, OSWALD J.
The industrial school for miners and mechanics at Drifton, Luzerne County, Pennsylvania. AIME. *Transactions* 9: 390-95 1880/81.
2698. HIBBS, WILLIAM
The mining foreman and his duties. *Ohio Mining Journal* 1894 45-54.

2699. HILEMAN, DOUGLAS H. AND OTHERS
Coal production from the Uinta region, Colorado and Utah: cost analysis for proposed underground mining operations. Washington: GPO, 1970. 44p. (U. S. Bureau of Mines. Information Circular 8497).
2700. HOGG, E.
Care of the mine mule. *Mines & Minerals* 26: 149-51 1905/6.
2701. HOLBROOK, E. A.
Research in the coal mining industry. AIME. *Transactions* 63: 747-67 1920.
2702. HOLMES, LESLIE A.
Variations in coal tonnage production in Illinois, 1900-1940. Dissertation. University of Illinois. 1942.
2703. HOWARD-SMITH, I. AND G. J. WERNER
Coal conversion technology. Park Ridge, N. J.: Noyes Data Corp., 1976. 133p.
2704. HULL, ARTHUR M.
Practical plans for getting new business; a book of helpful hints for retail coal merchants. Chicago, 1915. 156p.
2705. IMBACH, THEODORE F.
Raising mushrooms in a coal mine. *Coal Age* 8: 168-70 1915.
2706. JOHNSON, ALLEN J.
Anthracite as a domestic fuel. AIME. *Transactions* 108: 360-79 1934.
2707. JOHNSON, ARTHUR F.
Coal as a source of power for production of aluminum. *Mining Engineering* 7: 358-63 1955.
- 2707a. JONES, CHARLES O.
Clean air; the policies and politics of pollution control. Pittsburgh: University of Pittsburgh Press, 1975. 372p.
2708. KARASKA, GERALD J.
The pattern of settlements in the southern and middle anthracite regions of Pennsylvania. Dissertation. Penn State University. 1962. 250p.

2709. KARP, MICHAEL
Why is coal losing its share of the home heating market in Philadelphia. Thesis. University of Pennsylvania. 1960.
2710. KEMP, JAMES F.
The anthracite situation and problem. New York, 1903. 22p. (Engineering Company of America. Bulletin 1).
2711. KENTUCKY GEOLOGICAL SURVEY
Bibliography of coal in Kentucky. Lexington: Kentucky Geological Survey, 1970. 73p. (Series X. Special Publication 19).
2712. KENWORTHY, WILMER E.
First aid to soft coal—then a major operation. *ML&W* Ap 1933 1-6.
2713. KUBE, WAYNE R. AND JAMES L. ELDER
Technology and use of lignite. Washington: GPO, 1972, 145p. (U. S. Bureau of Mines. Information Circular 8543).
The proceedings of a conference "Concerning utilization and technology of Western coals and lignites".
2714. LAKE ERIE BITUMINOUS COAL EXCHANGE
Cleveland. [1917]. 29p.
Booklet gives objectives, regulations, membership, etc., of the Exchange.
2715. LATHROP, JOHN E. AND GEORGE K. TURNER
Billions of treasure. *McClure's Magazine* 34: 339-54 1909-10.
Account of the struggle for the control of Alaskan coal lands.
- 2715a. LEISTRITZ, F. L. AND STANLEY W. VOELKER
Coal resource ownership: patters, problems and suggested solutions. *Natural Resources Journal* 15: 643-62 1975.
2716. LESHER, C. E.
Is the coal shortage real or imaginary, *Coal Age* 18: 429-33 1920.
2717. LESLEY, J. P.
Manual of coal and its topography. Philadelphia: Lippincott, 1856. 224p.
"Facts in the geology of the Appalachian Region of the United States of North America."

2718. LETCHER, DUANE A.
Identification and structural analysis of instructional programs for the underground coal miner in West Virginia. Dissertation. West Virginia University, 1975. 266p.
2719. LEZIUS, WALTER G.
Geographic aspects of coal cargoes from Toledo. *Economic Geography* 10: 374-81 1934.
2720. LONG, STEPHEN C.
Coal taxation in the western states: the need for a regional tax policy. *Natural Resources Journal* 16: 415-42 1976.
2721. LORD, N. W.
Education of mining engineers. *Ohio Mining Journal* 6: 3 1888 13-18.
2722. LORD, N. W.
The Department of Mining of the State University. *Ohio Mining Journal* O 1888 13-17.
Account of mining education at OSU.
2723. MAC CORKLE, WILLIAM A.
Relation of West Virginia coals to the Panama Canal; address before the West Virginia Coal Mining Institute on the relation of West Virginia coals to the Panama Canal. Delivered at Charleston, West Virginia on Dec. 8, 1913, by William A. MacCorkle, ex-governor of the state of West Virginia. Washington: GPO, 1914. 16p. (63rd Cong., 2d Sess. Senate. Document 484).
2724. MAC FARLANE, GRAHAM
Notes on American cannel coal. AIME. *Transactions* 18: 436-38 1889/90.
2725. MC LEOD, A. A.
The coal supply and the Reading leases. *Forum* 13: 544-60 1892.
2726. MARLEY, HAROLD D.
Coal burden. *Social Science* 39: 102-6 1964.
Miners have always been exploited; strip mining also exploits the earth.
2727. MARSHALL, J. J.
Method of mining in southern West Virginia. *Coal Age* 1: 302-6 1911/12.

2728. MASON, ARTHUR J.
Comments of an ore engineer [on the bituminous coal industry]. American Economic Association. *Papers & Proceedings* 11: 106-16 1921.
- 2728a. MATSON, THOMAS K. AND DESS H. WHITE
The reserve base of coal for underground mining in the western United States. Washington: GPO. 1975. 238p. (U. S. Bureau of Mines. Information Circular 8678).
2729. METROPOLITAN PRESS AND THE COAL COMBINE
Colliery Engineer 12: 228 1891/92.
Editorial complaint about the "amazing stupidity" of newspapers in dealing with coal news.
2730. MILLER, ARNOLD
Energy crisis as a coal miner sees it. *Center Magazine* Nov Dec 1973 35-45.
2731. MITCHELL, JOHN
Conservation in the coal industry. American Mining Congress. *Proceedings* 11 pt. 2: 185-95 1908.
2732. MORROW, J. D. A.
History of the development of underground machines. Illinois Mining Institute. *Proceedings* 70: 62-81 1962.
2733. MUMFORD, JOHN KIMBERLY
Anthracite. New York: Industries Publishing Co. 1925. 150p.
2734. MUNROE, HENRY S.
A summer school of practical mining. AIME. *Transactions* 9: 664-71 1880/81.
For students at the School of Mines, Columbia University.
2735. MURPHY, RAYMOND AND HUGH E. SPITTAL
A new production map of the Appalachian bituminous coal region. Association of American Geographers. *Annals* 34: 164-72 1944.
2736. MURPHY, RAYMOND AND HUGH E. SPITTAL
Movements of the center of coal mining in the Appalachian Plateaus. *Geographical Review* 35: 624-33 1945.
2737. NATIONAL COAL ASSOCIATION
The story of bituminous coal. Washington, 1937. 23p.

2738. NATIONAL COAL POLICY CONFERENCE
Coal today; a basic memorandum about America's essential fuel. Washington, [1959]. 9p.
2739. NATIONAL COAL POLICY CONFERENCE
Congress speaks . . . on domestic fuels, oil imports, national security. Washington, 1962. 40p.
2740. NATIONAL INDUSTRIAL CONFERENCE BOARD
Foreman training in the anthracite industry. New York, 1944. 24p. (Studies in personnel policy 66).
2741. NELSON, JON P. AND GEORGE R. NEUMANN
Labor productivity and the Coal Mine Health and Safety Act of 1969. State College: Pennsylvania State University, 1975. 63p.
2742. NEWHARD, I. C.
Care of mine mules. *Mines & Minerals* 28: 56-58 1907/8.
2743. NEW JERSEY. LEGISLATURE. COAL INVESTIGATING COMMITTEE
Intermediate report to the Legislature. Trenton, 1922. 8p.
2744. NEW PATTERN FOR RECRUITING
Personnel Journal 48: 293-294 1969.
Describes Eastern Associated Coal Corp's program of recruiting.
2745. NEW RIVER SITUATION
Coal & Coke My 1, 1904 14-15.
Attack on the mismanagement and inactivity of the operators.
2746. NEW RIVER AND KANAWHA OPERATORS FORM NEW COMPANY
Coal & Coke Ja 11, 1901 13-14.
The New River & Kanawha Coal Co.
2747. NEW YORK AND RICHMOND COAL COMPANY
Charter and by-laws. New York: Pruden & Martin's Steam Print, 1857. 19p.
2748. NOLD, H. E.
Uses of coal in the ceramic industry. AIME. *Transactions* 108: 380-99 1934.

2749. NOLDEN, CAROL
Coal R & D demands greater industry involvement. *Coal Mining & Processing* Ja 1976 52-56.

The coal industry should play a greater role in the expenditure of federal R & D funds for coal research.
2750. OLIN, H. L.
Some aspects of the Iowa coal problem. Iowa Geological Survey. *Technical Paper* 2: 3-8 1930.

Analysis of the decline of Iowa coal production.
2751. OUTLOOK AND RESEARCH POSSIBILITIES FOR BITUMINOUS COAL
Washington. 1956. 52p. (U. S. Bureau of Mines. Information Circular 7754).
2752. PARKER, EDWARD W.
Coal briquetting in the United States. AIME. *Transactions* 38: 581-620 1907.

Appeared also in slightly different form in Bulletin 316 of the USGS, pp 460-85.
2753. PATTON, JAMES L.
Vocational education in coal mining. Kentucky Mining Institute. *Proceedings* 6: 9-35 1945/46.

Selected high schools in the coal regions should include vocational training in mining.
2754. PENSE, RONALD A.
The Bureau of Mines restoration work in Appalachia. *Appalachia* Feb 1971 18-20.
2755. POLZIN, PAUL E.
Water use and coal development in eastern Montana. *Montana Business Quarterly* Autumn 1974 5-35.
2756. POPE, GEORGE S.
The purchase of coal by the Government under specifications. Washington: GPO, 1910. (USGS. Bulletin 428).
2757. PRESTON, DENNIS R.
Bituminous coal mining vocabulary of the eastern United States. Dissertation. University of Wisconsin, 1969. 209p.
2758. PROPOSAL FOR INCORPORATING THE BEN LOMAND COAL CO.
Richmond: T. W. White, 1837. 38p.

2759. RAY, FRANK A.
The Ohio coal supply and its exhaustion. Columbus 1914.
46p. (Ohio State University. College of Engineering. Bulletin 12).
2760. REITH, JOHN W.
Coal supply of Milwaukee, Wisconsin. *Journal of Geography* 48: 71-77 1949.
2761. REITH, JOHN W.
The decline of coal mining in the Danville district, Illinois; its causes and effects. Dissertation. Northwestern University. 1950.
2762. RESERVE BASE OF BITUMINOUS COAL AND ANTHRACITE FOR UNDERGROUND MINING IN THE EASTERN UNITED STATES
Washington: GPO, 1974. 428p. (U. S. Bureau of Mines. Information Circular 8655).
"The coal reserve base is defined for coalbeds having sufficient thickness for underground mining within a depth range compatible with economic recovery".
2763. RHODES, BEN
Appalachian coal companies grow timber as a crop. *Mining Congress Journal* Ja 1953 27-30.
2764. RICE, GEORGE S.
Stabilize industry, conserve coal, and protect miners. *American Labor Legislation Review* 30: 109-13 1940.
2765. ROGERS, H. O.
Saving the coal industry. *Survey Graphic* 26: 326-29 1937.
2766. ROPIEQUET, R. W.
Difficulties I have met in coal litigation. American Mining Congress. *Proceedings* 19: 354-60 1916.
Lack of organization, cooperation, etc., within the industry.
2767. ROTHWELL, RICHARD
Coal production of the United States. AIME. *Transactions* 5: 375-80 1876/77.
2768. ROWE, J. W. F.
The coal industry in Great Britain and the United States. *Economica* (ns) 6: 200-13 1926.

2769. RUBENSTEIN, STANLEY AND HAROLD WOLFSON
Appalachian small mine industry rebuilds damaged reputation. *Public Relations Journal* Oct 1967 54-56.
Account of efforts of the National Independent Coal Operators Association to improve the public image of small mine operators.
2770. RUTLEDGE, J. J.
Demonstration coal mines. AIME. *Transactions* 63: 945-52 1920.
2771. SCOTT, JEFFREY
Coal lease assignments. *Natural Resources Lawyer* 8: 467-80 1975.
2772. SENSATIONAL JOURNALISM AND THE COAL MINING INTERESTS
Colliery Engineer 12: 13 1891/92.
Editorial complaint that many papers "frequently convey the idea to general readers that colliery owners and colliery officials are as a rule a set of inhuman fools."
2773. SHOWALTER, W. J.
Coal—ally of American industry. *National Geographic* 34 407-34 1918.
Useful as a source of excellent contemporary photographs of many aspects of the mining industry.
2774. SHURICK, ADAM
An analysis of the Ohio Mining Commission's report. *Coal Age* 5: 167-70, 196-200 1914.
2775. SKINNER, B. F.
A digest of decisions of the Anthracite Board of Conciliation. Scranton, Pennsylvania, 1928. 258p.
2776. SLOSSON, EDWIN E.
The coming of the new coal age. Smithsonian Institution. *Annual Report* 1927: 243-53.
"We stand at the opening of a new era in the utilization of coal."
2777. SMITH, ELDON D. AND OTHERS
Economic costs and benefits of rural road improvement in the eastern Kentucky coal fields. Lexington, 1973. 27p. (Kentucky Agricultural Experiment Station. Research Report 18).
2779. SMITH, SAMUEL R.
The black trail of anthracite. Kingston, Pa., 1907. 114p.

2780. SOUTH DAKOTA. STATE PLANNING BOARD
South Dakota coal. Brookings, 1936. 47p.
2781. SPEARE, MORRIS E.
The coal industry. Cambridge, Massachusetts: Bellman, 1957. 32p. (Vocational and professional monographs, No. 89).
2782. STEVENSON, GEORGE E.
Reflections of an anthracite engineer. New York, 1931. 238p.
2783. SEWART, ETHEL R.
Mechanization of coal mines in West Virginia. Thesis. University of Virginia. 1937.
- 2783a. STINNETT, LANDY A. AND OTHERS
Availability of potential coal supply through 1985 by quality characteristics. Washington: Federal Energy Administration, 1976. v.p.
2784. STRATON, JOHN W.
Some effects of mechanization in the bituminous coal industry. Thesis. University of Pennsylvania. 1949.
2785. STROUP, RICHARD AND WALTER THURMAN
Will coal gasification come to the northern great plains. *Montana Business Quarterly* Winter 1976 33-37.
2786. SUTHERLAND, HOWARD
The bituminous coal industry; debate in the Senate of the United States, June 8, 1922. Washington: GPO, 1922. 31p.
2787. TENNESSEE. STATE PLANNING COMMISSION
Problems surrounding the distribution of convict-mined coal in Tennessee. Nashville, 1938. 14p.
2788. TETRA TECH, INC.
Energy from coal: a state of the art review. Washington: GPO, 1976, vp.
2789. TIDEWATER COAL EXCHANGE
n. p. [1917]. 27p.
Booklet gives objectives, regulations, membership, etc., of the Exchange.

2790. TOOTHMAN, FRED R.
Conveyor mining in West Virginia. Thesis. West Virginia University. 1946. 104p.
2791. TRYON, F. G.
Control statistics of coal production and distribution. JASA 17: 314-25 1920.
2792. TRYON, F. G. AND OTHERS
Employment and related statistics of mines and quarries. Philadelphia, 1937. 133p.
2793. U. S. BUREAU OF MINES
Final Environmental [impact] statement: surface subsidence control in mining regions. Washington. 1976. vp.
2794. U. S. BUREAU OF MINES
Mining industry of the United States of America. Washington, 1922. 62p.
2795. U. S. BUREAU OF MINES
Sampling and evaluating respirable coal mine dust: a training manual. Washington: GPO, 1971. 47p. (U. S. Bureau of Mines. Information Circular 8503).
2796. U. S. BUREAU OF MINES. MINERAL SUPPLY
Analysis of the availability of bituminous coal in the Appalachian region. Conducted in cooperation with the Office of Air Programs, Environmental Protection Agency, under working fund agreement. Pittsburgh, Pa., 1971. 72p. (Distributed by National Technical Information Service, Springfield, Va. PB-202 363).
2797. U. S. COMPTROLLER GENERAL
Role of federal coal resources in meeting national energy goals needs to be determined and the leasing program improved. Washington, 1976. 69p.

Report is critical of the Interior Department's handling of federal coal resources.
2798. U. S. CONGRESS. HOUSE. COMMITTEE OF INTERIOR AND INSULAR AFFAIRS
Coal. Hearings before the Special Subcommittee on Coal Research, on the establishment of a research and development program for the coal industry. Washington: GPO, 1957. 579p.

2799. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Coal. Hearings before the Special Subcommittee on Coal Research pursuant to H. Res. 400, to authorize a study leading to the establishment of a research and development program for the coal industry. Washington: GPO, 1956. 164p.
2800. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Findings and recommendations of special subcommittee on coal research. Washington: GPO, 1957. 91p.
2801. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE
The products of the Ohio Valley, especially coal, considered in reference to the Nicaragua Canal; statement of Governor MacCorkel of West Virginia, May 9, 1896. n.p. 1896. 34p.
2802. U. S. CONGRESS. HOUSE. COMMITTEE ON PUBLIC LANDS
Hearings held before the Committee on the public lands of the House of Representatives January 27 and 30, 1911, on H. R. 32080 "to provide for the leasing of coal lands in the district of Alaska and for other purposes." Washington: GPO, 1911. 99p.
2803. U. S. CONGRESS. HOUSE. COMMITTEE ON THE BUDGET. TASK FORCE ON PHYSICAL RESOURCES
Coal liquefaction. Washington: GPO, 1975. 10p.
2804. U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY
Alaska coal contracts. Washington: GPO, 1911. 3 vols.
2805. U. S. CONGRESS. SENATE. COMMITTEE ON INDIAN AFFAIRS
Leasing of the segregated coal deposits of the Choctaw and Chickasaw Nations in Oklahoma. Washington: GPO, 1942. 101p.

This is the "basic" hearing on this subject. There were also hearings during 1943 on S. 314 and H. R. 1859, both dealing with essentially the same matter.
2806. U. S. CONGRESS SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS
Alaska coal lands. Washington: GPO, 1955. 195p.

Concerns the Secretary of the Interior's "alleged failure to build the Alaska railroad spur."

2807. U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON MINERALS, MATERIALS AND FUELS
Federal coal leasing program. Hearings. Washington: GPO, 1974-.
2808. U. S. CONGRESS. SENATE. COMMITTEE ON THE DISTRICT OF COLUMBIA
Coal situation in the District of Columbia. Washington: GPO, 1926. 224p.
- 2808a. U. S. COUNCIL ON WAGE AND PRICE STABILITY
Study of coal prices. Washington, GPO. 1976. 97p.
2809. U. S. FEDERAL FUEL DISTRIBUTOR
Final report. Washington: GPO, 1923. 51p.
Final report of Federal Fuel Distributor to President of United States, Sept. 21, 1923.
- 2809a. U. S. GENERAL ACCOUNTING OFFICE
Federal coal research—status and problems to be resolved. Washington, 1975. 95p.
2810. U. S. NATIONAL ARCHIVES
Preliminary inventory of the records of the Solid Fuels Administration for War. (Record Group 245). Washington, 1951. 39p. (*Its* Publication No. 52-6. Preliminary Inventories No. 34).
2811. URWICK, CURRIE LTD.
The Nova Scotia coal industry. Ottawa, 1957. 34p.
2812. USE FOR OLD COAL MINES
Black Diamond 16: 819 1896.
Abandoned coal mines are ideal for raising mushrooms.
2813. THE VANISHING IOWA COAL MINE
Annals of Iowa 30: 142-43 1949.
2814. WADLEIGH, F. R.
Hampton Roads coals. *Coal Age* 6: 702-7 1914, 7: 165-69, 331-34, 375-77 1915.
Covers "all phases of marketing and shipping the different coals handled at Hampton Roads."

2815. WARD, WILLARD E. AND FRANCIS E. EVANS
Coal—its importance to Alabama. University: Geological Survey of Alabama, 1975. 26p. (Information Series 53).
2816. WARRINER, SAMUEL D.
The Anthracite Board of Conciliation. AIME. *Transactions* 42: 390-402 1911.
- 2816a. WECK, EGON
New Federal Academy in Appalachia. *Appalachia* Dec/Jan 1976/77 10-19.
Beckley, W. Va. is the site of the National Mine Health and Safety Academy.
2817. WHITLATCH, ELBERT E.
Coal gasification in southeastern Ohio: water supply and demand. Columbus: Ohio State University, Water Resources Center, 1975. 77p.
2718. WILDER, HENRY J.
Agriculture in the coal regions of southwestern Pennsylvania. In U. S. Dept. of Agriculture. Yearbook, 1909. 321-32.
2819. WILFONG, HARRY DEAN
A cross-validation study of a mining foreman selection key, devised from the Minnesota Multiphasic Personality Inventory. Thesis. West Virginia University. 1957.
2820. WILLIAMSON, H. A.
The relation of forestry to coal mining. West Virginia Coal Mining Institute. *Proceedings* 1912 302-12.
2821. WOLFLE, LEE M.
Radical third-party voting among coal miners, 1896-1940. Dissertation. University of Michigan, 1976. 261p.
2822. WOLKINS, GEORGE C.
The coal panic of 1917-1918. Massachusetts Historical Society. *Proceedings* 65: 582-92 1932/36.
The "panic" was caused by an extreme shortage of coal in New England.
2823. WYLER, SAMUEL S.
Fundamentals of our coal problem. Columbus, Ohio, 1929. 40p.

2824. YANCIK, JOSEPH J.
Coal research and development. *Mining Engineering* Feb 1974 96-98.
2825. YOUNG, LEWIS H.
Public reputation of the mining industry. *Mining Congress Journal* Ja 1972 37-40.
"The public reputation of the mining industry can be summed up in one terse, concise expression: it's lousy."
2826. ZANOLLI, S. W.
The coal miner in a larger scale, highly mechanized, highly integrated, bituminous coal mining plant. Thesis. University of Pittsburgh. 1948.
2827. ZIMMERMAN, M. B.
The supply of coal in the long-run: the case of Eastern deep coal. Cambridge: MIT Energy Laboratory, 1975. 82p.

Subject & Author Index

Aaronson, Terri 1829
 Abbott, Grace 1427, 1428
 Abdnor, Joseph S. 1896
 Accidents SEE Mine disasters, safety
 Acid mine drainage SEE Mine drainage
 Acuff, Reece 1632
 Adams, James Taylor 2301
 Adams, John W. 330
 Adams, Robert T. 331
 Adams, Russell K. 332
 Adderfer, Evan 333
 Adelman, M.A. 1633
 Advertising SEE Marketing
 Agor, Joseph 2626
 Ahrenholz, Gladys 1429
 Air pollution 1743, 1786, 1842, 1868, 2707a
 Alabama 7, 72, 114, 277, 291, 447, 448, 791, 792, 997, 1299, 1592, 1629, 1682, 1846, 2082, 2100, 2272, 2274, 2296, 2380, 2440, 2452, 2460, 2480, 2500, 2501, 2521, 2539, 2540, 2547, 2569, 2584, 2593, 2683, 2815
 Alabama Coal Commission 791
 Alabama Coal Operators Association 792
 Alaska 223, 455, 583, 1653, 1680, 1823, 2446, 2454-56, 2471, 2472, 2477, 2491, 2494, 2495, 2544, 2606, 2715, 2802, 2804, 2806
 Albright, Charles 793
 Aldridge, M.D. 2627
 Alexander, Roy 1897
 Alford, Newell G. 2628
 Alinsky, Saul 794, 795
 Allen, Daniel 796
 Allen, Gerald E. 2273
 Allen, Henry J. 797
 Allen, Joseph H. 2433, 2434
 Allison, Robert 2
 Allred, Charles E. 1430
 Althouse, Ronald J. 1431, 2194
 Amax Coal Co. 334
 American Civil Liberties Union 798, 799

American Constitutional Association 1432
 American Engineering Council 335
 American Institute of Mining and Metallurgical Engineers 3
 American Institute of Mining, Metallurgical, and Petroleum Engineers 336
 American Miners Association 1406
 American Railway Association 1634, 1635
 Ammons, Elias M. 800
 Anderson, David H. 1898
 Anderson, George J. 801
 Anderson, L.C. 802
 Anderson, Richard J. 1928
 Anderson, William H. 2329
 Andreuzzi, F.C. 1898a
 Andrews, E.B. 2435
 Andrews, John B. 2157
 Andrews, W.H. 2158, 2160
 Andros, Stephen O. 2629
 Angle, Paul M. 803
 Ankeny, Marling J. 337
 Ansley, Fran 804, 805, 2302, 2303
 Anson, Charles F. 806
 Ansted, D.T. 4
 Anthracite 3, 5, 6, 15, 18, 21, 27a, 33, 40, 45, 46, 62, 65, 74, 88, 90, 91, 104, 109, 110, 126, 127, 136, 144, 150, 154, 155, 188, 189, 191, 192, 211, 221, 222, 226, 232, 235, 239, 267, 271, 272, 273, 292, 298, 338, 345, 351, 355, 356, 468, 484, 520, 543, 556, 557, 564, 576, 588, 590, 596, 602, 614, 615, 616, 624, 633, 646, 720, 722, 749, 750, 759, 765, 767, 771, 786, 789, 807-12, 818, 823, 826, 854, 862, 863, 869, 896, 912, 919, 928, 929, 938, 939, 972, 1064, 1065, 1066, 1081, 1083, 1090, 1099, 1100, 1131, 1139, 1151, 1153, 1170, 1176, 1188, 1191, 1210, 1211, 1217, 1250, 1259, 1269, 1289, 1300, 1325, 1328, 1342, 1352, 1367, 1368, 1380, 1382, 1384, 1404, 1412, 1424, 1442, 1465,

346,
 425

- 1466, 1493, 1524, 1527, 1532, 1575,
1596, 1609, 1627, 1686, 1688, 1701,
1705, 1741, 1752, 1798, 1863, 1866,
1878, 2063, 2106, 2148, 2184, 2227,
2280, 2316, 2320, 2322, 2436, 2438,
2505, 2518, 2550, 2596, 2598, 2613,
2626, 2676, 2680, 2706, 2710, 2733,
2779
- Anthracite Board of Conciliation
2775, 2816
- Anthracite Bureau of Information
807, 808
- Anthracite Coal Production Control
Plan 338
- Anthracite Coal Strike Commission
811, 1095, 1145, 1176, 1188, 1259,
1342
- Anthracite Operators 811
- Appalachian Agreement 842, 1241,
1332, 1333
- Appalachian Coals, Inc. 360, 502
- Appalachian Region 37, 38, 339, 386,
421, 434, 560, 561, 674, 692, 1204,
1431, 1433, 1438, 1510, 1517, 1518,
1529, 1534, 1552, 1581, 1770, 1830,
1848, 1858, 1859, 1861, 1867, 1867a,
1886, 1894, 1915, 1916, 1926, 1943,
1944, 1945, 1947, 1967, 1979, 1994,
2056, 2062, 2084, 2104, 2142, 2155,
2182, 2294, 2334, 2344, 2370, 2379,
2400, 2513, 2614, 2615, 2717, 2735,
2736, 2754, 2763, 2769, 2796
- Appalachian Regional Commission
1830
- Appalachian Volunteers 1503
- Appraisal of coal lands SEE ALSO
Taxation 343, 380, 381, 382, 383,
425, 426, 496
- Aquizap, Roman B. 1433
- Arbitration 797, 934, 986, 1063, 1117,
1118, 1159, 1233, 1304, 1423
- Arble, Meade 1433a, 1434, 1435
- Archbald, Hugh 340, 814
- Archer, C.H. 1436
- Arizona 113, 1899, 1913, 1992, 2025
- Arkansas 1281, 1437, 2431, 2443,
2470, 2474, 2583, 2595
- Arkansas. State Emergency Relief
Administration 1437
- Armbrister, Trevor 815
- Armes, Ethel Marie 7
- Arnow, Harriette S. 2159
- Arny, Malcolm 2428
- Aronoff, Jacob 1288
- Aronson, Bernie 2217
- Ashburner, Charles A. 341, 2436-40
- Ashley, George H. 8, 342, 343, 2441,
2442, 2630
- Ashley, William J. 344
- Ashmead, Dever C. 345
- Ashton, Robert 1899
- Ashurr, S. H. 352
- Association for the Welfare of Neg-
roes in Alabama 2274
- Association of American Railroads
1636, 1637
- Atchison, Topeka and Santa Fe Rail-
way Co. 1727
- Atwood, Genevieve 1900
- Aude, T.C. 1638
- Auger mining SEE ALSO surface
mining 1930
- Ault, James G. 1922
- Aurand, Ammon M. 817
- Aurand, Harold W. 346, 818, 819, 820
- Austin, Richard C. 1901
- Automation SEE Mechanization
- Averitt, Paul 1902, 2631, 2632
- Avril, Lawrence P. 347
- Ayer, Thomas P. 348
- Ayrshire Coal Co. 2079
- Bach, E.E. 821
- Bache, Franklin 2443
- Backman, Jules 350
- Bacon, S. 2218
- Baier, E.J. 2330
- Bagge, Carl E. 1743, 1831, 2633, 2634
- Bailey, Carol 2635
- Bailey, Kenneth R. 822, 1903, 2275
- Bain, H.F. 2444
- Baker, Ralph H. 1744
- Baker, Ray S. 823
- Bakerman, Theodore 351
- Ball, Richard A. 1438
- Ballads SEE Folklore
- Ballert, Albert G. 1639, 1640
- Ballou, E. 2219
- Balsley, Howard L. 1745
- Baltimore Sun (Newspaper) 824
- Balzer, J.L. 1904
- Bancroft, Thomas B. 825
- Banks, (R.L.) and Associates 1641
- Bannard, William N. 826
- Baratz, Morton S. 827
- Barb, John Milliken 828
- Barger, Harold 352
- Barksdale, S. 9
- Barkus, Gary 353
- Barlow, James A. 2445
- Barnes, Clarence E. 1439
- Barnes, Farrell F. 2446
- Barnes, P. 1905
- Barnum, Darold T. 2276
- Bartholomew, Harvey E. 829
- Bartlett, J.H. 1642

- Bass, J. Carl 1987
 Bass, N. Wood 2636
 Bassett, John W. 10
 Bastin, S.L. 11
 Battin, Joseph 625
 Bauer, F.L. 2447
 Baumgardner, Riley G. 1440
 Bayard, Charles J. 831
 Bayles, J.C. 12
 Beach, H.D. 2220
 Beachley, Charles E. 13
 Beame, Edmond M. 832
 Beddow, W.W. 354
 Beebe, A.C. 1906
 Bell, Brenda 804, 805
 Bell, Isaac L. 2448
 Bement, Alburto 1643, 2449, 2638
 Bemis, Edward W. 833
 Ben Lomand Coal Co. 2758
 Bendall, John W. 2639
 Bennett, Wallace R. 14
 Benson, David C. 1686
 Benson, H.W. 834
 Bentivegna, Joseph J. 2331
 Bentley, J.G. 1441
 Benzanson, Anne 451
 Berger Associates 355
 Berisford, Frank D. 1907
 Berkowitz, David A. 1832
 Berle, A.A. 835
 Bernheimer, F.P. 356
 Bernstein, Irving 836
 Bernstein, P.J. 1908
 Berry, Wendell 1909
 Berthoff, Rowland 1442
 Berwind-White Co. 1190
 Beshoar, Barron B. 837
 Bethell, Thomas N. 838, 839, 1833, 2221
 Bethell, Tom 839a
 Beury, William 1443
 Bezanson, Anne 357
 Bibliographies 1912, 1965, 1986, 2009, 2058, 2128a, 2683, 2686, 2687, 2711
 Bielicki, Richard J. 358
 Biesecker, J.E. 1834
 Bikerman, Jacob J. 1835
 Billinger Robert D. 15, 16
 Bimba, Anthony 840
 Binder, Denis 1911
 Binder, Frederick M. 18, 19, 20
 Bishop, Bill 840a
 Bitler, John R. 1979
 Bituminous Coal Acts 1744, 1746, 1766, 1793, 1805, 1806, 1808, 1812, 1813, 1814, 1818
 Bituminous Coal Commission 1744, 1750, 1764, 1773, 1817, 1819, 1822
 Bituminous Coal Operators Association 573, 1189
 Bituminous Coal Operators' Special Committee 843-847
 Bituminous Coal Research, Inc. 1912
 Bituminous Coal Trade Association 454
 Black lung SEE ALSO Health 407, 1275, 1598, 1784, 2372, 2421-25
 Black Lung Association 2363a
 Black Mesa 1899, 1913, 1992
 Blakely, J. Wes 1836, 1914-17
 Blanchard, D.E. 21
 Blankenhorn, Heber 849, 850
 Blankenship, Rondal C. 360
 Bliss, J.A. 1644
 Blizzard, William C. 851
 Bloch, Louis 361, 852
 Bobick, Thomas G. 2640
 Bocardy, Joseph A. 1918
 Bockus, C.E. 362
 Bodle, William W. 1837
 Boecklin, Werner 363
 Boettner, John L. 1919
 Bogen, Jules I. 1645
 Bondurant, Donald M. 364
 Bonosky, Phillip 2222
 Boone, James W. 1646
 Boone, Joel T. 2420
 "Bootleg" mining 613, 660
 Booz, Allen & Hamilton, Inc. 365, 366
 Borne, Lawrence R. 22
 Borrelli, Peter 1901
 Borsodi, William 2642
 Bosselman, Fred P. 1920
 Boston. Chamber of Commerce 367
 Bott, M.W. 2450
 Bottomley, J.A. 1921
 Boughton, Edward J. 855
 Boulding, Russell 368
 Bovenizer, Robert V. 1922
 Bowden, Kenneth L. 1923
 Bowden, Witt 369, 856, 857
 Bowen, Eli 23, 24
 Bowman, Mary J. 370
 Boyer, Mary J. 25
 Boyer, R.F. 2223
 Boyle, William A. (Tony) SEE ALSO United Mine Workers of America 868, 1098
 Bracker, Milton 1445
 Bradley, Alexander 1408
 Bradley, Joseph G. 371, 858, 1377
 Brady, S.D. 2451
 Brainerd, Alfred 2277
 Bramwell, J.H. 2225
 Brandt, L. 1446
 Branscome, James 859, 860, 1924, 1925

- Branson, Branley A. 1926
 Bratton, Sam T. 26
 Bray, S.A. 2687
 Bredeweg, Harry W. 1927
 Breitenstein, A.J. 505
 Breslin, John J. 1928
 Brewer, W.M. 2452
 Bridges, Leonard H. 27
 Brinsmade, R.B. 2453
 Bristow, J.W. 1929
 British Coal Mining Productivity Team 2643
 Britnell, Jim 2332
 Broad form deed 37a, 76, 2093, 2154
 Brock, Samuel M. 1930, 1931
 Broderick, Grace N. 372
 Broehl, Wayne G. 861
 Brom, Thomas 1933
 Brooks, Alfred H. 2454, 2455, 2456
 Brookside strike 813, 830, 864, 888, 916, 937, 940, 1143, 1321, 1348, 1416, 1420
 Brooks, David B. 1932, 1934, 1935
 Brooks, John G. 862, 863
 Brophy, John 865, 866, 867
 Brosky, A.F. 1447
 Brotherhood of Locomotive engineers 1113, 1326, 1330
 Brown, George M. 2457
 Brown, Joseph E. 250
 Brown, Malcolm J. 1448
 Brown, Murray C. 2333
 Brown, P. 373
 Brown, Robert 2458
 Brown, Robert E. 1936
 Brown, Roger 600
 Brown, Rollo W. 1449
 Brown, Stuart 868
 Brown, W.K. 27a
 Brownell, Baker 1450
 Bruere, Robert W. 869
 Bryant, Harold L. 1974
 Bubka, Tony 870
 Buch, John W. 28
 Buchanan, John A. 374
 Buchanan County, Virginia 61, 404
 Buck, S.M. 2459
 Buck, William J. 29
 Buckley, Thomas 2224
 Buffalo, New York 311, 491
 Buffalo Creek (West Virginia) 1833, 1838, 1839, 1840, 1841, 1847, 1864, 1870, 1872, 1879, 1884, 1890, 1892, 2234a, 2332, 2350, 2392, 2399, 2417
 Buis, Lois S.C. 1451
 Bull, Marcus 30
 Bureau of Cooperative Medicine 2334
 Burke, J.W. 2460
 Burke, Stephen P. 375
 Burlingame, M.G. 182
 Burness, H.S. 2644
 Burroughs, Wilbur G. 1937, 2461
 Burrows, John S. 376
 Bush, B.F. 2462
 Butler, Richard 1616
 Byars, J.C., Jr. 871
 C & K Coal Co. 555
 Calarie, Edwin P. 2335
 Caldwell, Nat 872
 Caldwell, Walter 2645
 California 107
 Callahan, Jacqueline 1938
 Callahan, John C. 1938
 Campbell, M.R. 2463
 Campbell, Robert S. 1939
 Campbell, Rolla D. 377
 Campbell, Roy E. 32
 Campbell, Thomas C. 378, 1647, 1647a 1648
 Canada 2646-50, 2666, 2696, 2811
 Canada. Commission on Conservation 2646
 Canada. Royal Commission on Coal 2648, 2649
 Canada. Statistics Canada 2650
 Canals 6, 1677, 1678, 1700, 1709
 Cannel coal 2630, 2651, 2724
 "Captive" mines 757, 873
 Carbon County Historical Society 33
 Cardi, Vincent 1940
 Cardiff Coal & Iron Co. 2464
 Carlson, Alvar W. 34
 Carlson, Clarence G. 1941
 Carlson, Fred A. 1649
 Carmin, Robert L. 2465
 Carnes, Cecil 874
 Carpenter, Samuel 35
 Carr, Joe D. 874a
 Carritt, G. 875
 Carter, Charles F. 876, 877
 Carter, Edward W. 379
 Carter, Richard 2336
 Cartledge, Oscar 36
 Caruso, John A. 1650
 Cary, Lorin L. 878, 879
 Casey, Kathryn P. 2652
 Cashman, Joseph T. 880
 Cassano, James 2653
 Cassidy, Robert 881
 Castner, Curran and Bullitt 31
 Caudill, Harry M. 37, 1453, 1454, 1840, 1942-46, 2041, 2128
 Caudill, James K. 37a
 Caudill, Rebecca 38
 Cederstrom, D.J. 1947
 Center for Science in the Public

Interest 1948
 Central Pennsylvania Coal Producers' Association 883
 Ceramics 2748
 Chadwick, Robert A. 39
 Chafin, Don 283
 Chamberlain, J.G. 1455, 1456
 Chamberlain, John 884
 Chamberlain, Neil W. 885
 Chamberlin, Rollin T. 2226
 Chamberlin, J.W. 1651
 Chance, Henry M. 2466, 2654
 Chandler, Alfred D. 40
 Chance, H.M. 380-83, 2227
 Chaplin, Herman W. 886
 Chaplin, Ronald L. 384
 Chapman, Mary L. 41
 Charlie, Edwin G. 385
 Charles River Associates 386
 Charmbury, H.B. 1949
 Charwick, Douglas 42
 Chase, Nina R. 1950
 Chemical Industry 466
 Chesapeake & Ohio Railroad 95, 1652, 1714
 Chesterfield Railroad Co. 1663
 Chicago Coal Board 2655
 Chicago, Wilmington & Franklin Coal Co. 117
 Child Labor 1525, 1526, 1527, 1550, 1609, 1627
 Children and youth SEE ALSO child labor 1473, 1480, 1498, 1531, 1535, 1536, 1539, 1541, 1604, 1623, 1625, 2383
 Childs, C.G. 43
 Childs, Marquis W. 887
 Chironis, Nicholas P. 1951
 Christenson, C.L. 387, 388, 389, 2158, 2160
 Christiansen, John R. 1484
 Christy, David 44
 Church, Ruth 1457
 Cimarron Coal Co. 2048
 Cincinnati, Ohio 59
 Cist, Jacob 45
 Cist, Zachariah 46
 Claghorn, Clarence R. 2467
 Clague, Ewan 2337
 Clapp, Thomas C. 889
 Clark, J.M. 890
 Clark, Paul R. 1653
 Clark, Stanley 47
 Clark, Walter 891
 Clayton, E.E. 390
 Clegg, Herman D. 2656
 Cleveland, Ohio 241, 322
 Clifford, Albert J. 48
 Clinchfield Coal Co. 401

Clute, F.P. 2228
 Clyde, Edward W. 1747, 1952
 Coal and Coke Railway Co. 1650
 Coal Commission SEE U.S. Coal Commission
 Coal Mine Health and Safety Act SEE Federal Coal Mine Health and Safety Act
 Coal River Land Co. 2483, 2519
 Coal River Railroad Co. 2571
 Coal Trade Association of Indiana 2657
 Coalgate, Jerry L. 1843, 1843a
 Coates, Harold W. 59
 Cobb, William H. 60
 Cochran, John A. 895
 Cochran, William 1844
 Cochrane, John L. 2161
 Cohn, E. 402, 403
 Coke 100, 269, 316, 535, 2528, 2549
 Cole, E.L. 896
 Cole, Lewis G. 2338
 Cole, William G. 2338
 Coleman, Elizabeth D. 1658
 Coleman, James W. 897, 898
 Coleman, McAlister 899, 900, 1749
 Coleman, Ron 61, 404
 Coles, Robert 1459, 2339
 Collective bargaining 635, 895, 901, 952, 953, 959, 991, 1111, 1170, 1212, 1308
 Collier, Arthur J. 2470-72
 Collins, Elizabeth 1534
 Collis, Edgar L. 2340
 Colorado 22, 314, 612, 799, 800, 829, 831, 835, 837, 855, 857, 894, 901-908, 915, 918, 924, 925, 950, 954, 992, 1005, 1019, 1029, 1087, 1125a, 1129, 1137, 1140, 1207, 1208, 1227, 1246, 1253, 1294, 1305, 1344, 1346, 1347, 1350, 1351, 1470, 1501, 2099, 2109, 2493, 2510, 2514, 2518, 2548, 2567, 2572, 2599, 2607, 2618-20, 2699
 Colorado Industrial Commission 902
 Colorado Mine Operators' Association 903
 Colorado National Guard 904
 Colorado. Special Board of Officers to Inquire into the Armed Conflict 905
 Colorado State Federation of Labor 906
 Colton, Henry 2473
 Comanor, William S. 405
 Committee of Coal Mine Managers 908
 Committee on Public Administration Cases 1750
 Commons, John R. 2278

Communism 1209, 1290, 1322, 1371
 Company stores 75a, 86, 148, 1577,
 1590, 1599, 1601
 Competition 375, 378, 379, 405, 424,
 450, 467, 469, 476, 483, 574, 575,
 577, 587, 590, 602, 606, 641, 694,
 707, 740, 746, 759, 767, 777
 Computers 651
 Conant, C.B. 62
 Conaway, James 1954
 Conoway, Orrin B. 1751
 Cone, Frederick L. 407
 Conley, Phil 63, 64
 Connellsville, Pa. 100, 269
 Conroy, Jack 1460
 Conservation SEE ALSO Environ-
 mental effects 2691, 2731
 Consolidation Coal Co. 13, 175, 411,
 487, 1595, 1845, 1922
 Convict labor 70, 804, 921, 956, 1039,
 1267, 2787
 Coolidge, William H. 910
 Conner, Eli T. 1752, 1955
 Corbin, David 911
 Corlsen, Carl 2676
 Cornell, Robert J. 912
 Cornforth, Carol 1957, 1958
 Coronada Coal Company 1152
 Corrigan, James J. 65, 2229
 Cort, John C. 913
 Cost of living 497, 588
 Costello, E.J. 914
 Costello, J. 2341, 2342
 Costigan, Edward P. 915
 Council of State Governments 1960
 Cowan, Donald R. 412
 Cowan, Paul 916
 Cowley, Malcolm 1461
 Cox, Titus A. 2395
 Craig, Roy 1961
 Crane, W.R. 1962, 2474-80
 Crawford, Bruce 1462
 Crawford, Charles B. 917
 Creditor, Morris 1659
 Creel, George 918
 Cressey, Paul Frederick 1463
 Crews, Ralph 413
 Crum, W.L. 414
 Cubby, Edwin A. 66, 67
 Culin, Stewart 919
 Culver, Harold E. 1963
 Cummings, John 920
 Currie, Robert D. 2162
 Curth, Ernest A. 2163
 Cushing, George H. 415
 Cuvellier, I.C. 1660
 Cyrnak, Anthony W. 1964
 Daddow, Samuel H. 2658
 Dahl, H.D. 1661
 Daily Telegraph. (Bluefield, West
 Virginia) 69
 Dalsted, Norman L. 1965, 2481
 Dana, Samuel T. 1966
 Daniel, Pete 70, 921
 Danielson, V.A. 1846
 Danville and Pottsville Railroad 1656
 Dauphin & Susquehanna Coal Co. 71
 Davenport, S.J. 2164, 2165
 David, John P. 416
 Davies, Matthew J. 2659
 Davies, William E. 1847
 Davis, Blaine A. 417
 Davis, Franklin R. 922
 Davis, Grant 2015
 Davis, Jerome 923
 Davis, Richard L. 2284
 Davis, W.T. 924, 925
 Dawson, J.W. 1662
 Day, David T. 418
 Dean, Lois 1464
 Deans, Parke P. 419
 Deasy, George F. 420, 1967, 1968,
 2505, 2660
 De Bow, James D. 72
 Decker Coal Co. 2151,
 Dee, Norbert 1848
 Deep River Mining & Transportation
 Co. 153
 Deimel, Robert W. 926
 Deutschman, G.H. 2037
 Deju, Raul A. 2661
 DeLauretis, Frank T. 1466
 Demand SEE Supply & demand
 Dempsey, Stanley 1753
 Dennett, Tyler 927
 Dennison, Henry S. 928
 Densmore, Raymond E. 1466a
 Denton, Alma 1467
 Depletion 515, 518
 Derby, George 74
 Derzay, Raymond 2662
 Destler, Chester 929
 Devine, Edward T. 422, 1754, 2663
 Dewees, Francis P. 930
 Diakun, R. 2330
 Dials, George E. 423
 Dick, Charles 1755
 Dick, W.J. 2646
 Dickens, Hazel 2304
 Dickman, Irving 1969
 Diehl, Richard A. 424
 Dietrich, Charles C. 1970
 Dietto, Frank J. 2166
 Dillon, Lacy A. 2232
 Dilworth, John B. 425, 426, 2482
 Dinkel, R.M. 1971
 D'Inwilliers, E.V. 2483

- District of Columbia 716, 2808
 Dix, Keith 931-34
 Dixon, Harry M. 427
 Dodrill, Gordon 75a
 Doerr, Arthur 428, 1849, 2484-88
 Dogs 130, 2695
 Domico, Jim 2305
 Donley, Robert T. 1972
 Donnegan, John J. 429
 Donnelly, Clarence S. 2234
 Dorland, Jack A. 430
 Dos Passos, John 935
 Dotson, John A. 2665
 Dougherty, John J. 2167
 Dowling, Donaldson B. 2666
 Downing, Thomas F. 1468

 Doyle, F.J. 1850
 Doyle, William S. 1850a, 1973
 Drake, Charles H. 1475
 Drake, Richard B. 76
 Draper, Theodore 935a
 Draper, Warren F. 2344, 2345, 2346, 2347
 Dreese, George R. 1974
 Drum, E.C. 1975
 Drum, Francis J. 936
 Drummond Co. 448
 Drury, Doris 2168, 2169
 Drury, Horace B. 431, 432
 Dryden, Ian G. 2667
 Duffield, John 432a
 Duggan, Carroll 1976
 Duluth 433
 Dunbar, Anthony 937
 Dunbar, Fred C. 434
 Dunham, James 435
 Dunlap, Louise C. 1977
 Dunn, Stephen F. 436
 Durand, E. Dana 938
 Durand, Walter 437
 Durrett, Harold L. 2668
 Dwyer, Kenneth J. 2279

 Eastern Associated Coal Corporation 439, 2744
 Eastern Gas & Fuel Associates 133
 Easton, H.D. 2489
 Eastover Mining Co. SEE Brookside strike
 Eaton, Amos 78
 Eaton, Cyrus 872
 Eavenson, Howard N. 79-84, 440, 1469, 1756, 2170
 Eberling, Ernest J. 939
 Eckel, Edwin C. 438
 Ecology SEE Environmental effects
 Economics 330-790
 Edgerton, B.R. 1978

 Edmonson, Nathan 441
 Edmunds, William E. 2669
 Education SEE ALSO Training 325, 1436, 1470, 1557, 1604, 1617, 2665
 Edwards, Debbie 940
 Edwards, J.H. 1471
 Edwards, M.W.A. 442
 Edwards, R.G. 2670
 Edwards, William S. 2490
 Edwardsville, Pa. 1472
 Eggleston, Richard C. 2671
 Elder, James L. 2672, 2713
 Electric power production 385, 435, 472, 547, 666, 728, 760, 773, 774, 1832, 1924
 Ellis, Mabel B. 1473
 Elsom, C.H. 85
 Emery, James A. 2673
 Emmet, Boris 941
 Employment 352, 384, 440, 443
 Energy & Environmental Analysis, Inc. 1757
 Enman, John A. 86
 Enterline, Philip E. 2348, 2349
 Environmental effects SEE ALSO Reclamation 1829-1895, 1918, 1926, 1941, 1968, 1973, 1986, 2145, 2687
 Environmental Research and Applications, Inc. 1851
 Equipment 2, 28, 358, 625, 1910, 1962, 2732
 Erikson, Kai T. 2234a, 2350
 Ernst, Harry W. 1475
 Esfandiary, Mary S. 2674
 Ethnic groups SEE Racial and ethnic groups
 Evans, Chris 942
 Evans, Francis E. 2815
 Evans, George W. 2491, 2492
 Evans, Robert J. 1979
 Evans, William B. 1980, 1981
 Everest, Herbert A. 444
 Everett, Woodrow W. 943
 Explosions SEE Mine disasters
 Export trade 457, 553, 554, 566, 567, 581, 653, 702, 709, 1633, 1641

 Fairbanks, W. L. 89
 Fairmont, West Virginia 97, 186, 941, 1292
 Fairmont Coal Co. 2236
 Falk, Leslie A. 2351, 2352
 Faltermayer, Edmund 445, 1982
 Family 1518, 1519, 1568
 Fay, A.H. 2216, 2237
 Fay, C.L. 1476
 Feder, Bernard 944
 Federal Coal Mine Health and Safety Act 1751, 1765, 1768, 1787, 1826,

- 2741
 Federal Council of the Church of Christ 945, 946
 Federal Reserve Bank of Cleveland 446
 Federation of Miners and Mine Laborers of West Virginia 947
 Feldman, Julian 1983
 Fell, Jesse 90, 111, 126, 191, 211
 Fene, W.J. 2176
 Fenneman, N.M. 2493
 Fenoli, John R. 948
 Fernow, B.E. 2675
 Ferris, B.G. 2353
 Fetherling, Dale 949
 Fey, Arthur W. 2676
 Field, Lewis 2354
 Fies, Milton H. 447
 Filippelli, R.L. 949a
 Fink, Walter H. 950
 Finley, Joseph 951
 Finley Coal Co. 2221
 Firmstone, William 91
 Fish and wildlife 1860, 1918, 1987, 2087, 2108, 2156
 Fisher, Cassius A. 94
 Fisher, Howell 95
 Fisher, James C. 96
 Fisher, Stan 448
 Fisher, Waldo E. 449-51, 952, 953
 Fisher, Walter L. 2494
 Fishman, Leo 452
 Fishman, Betty G. 452
 Fitch, John A. 954, 955
 Fitzpatrick, John 1401
 Fitzpatrick, John S. 1477
 Fledderus, Mary L. 453
 Fleming, A.B. 97
 Fleming, Henry S. 454
 Flinn, R.H. 2355
 Florance, J.E. 2495
 Floyd, Willie M. 98
 Flynn, Elizabeth G. 2677
 Fohl, W.E. 456
 Folklore 212, 2301-28
 Foner, Philip S. 956
 Forbes, J.J. 1758
 Forbes, R.D. 2678, 2679
 Foreman, W.E. 1984
 Forestry SEE ALSO Reclamation 2671, 2675, 2678, 2679, 2763, 2820
 Forsythe, J.R. 458
 Foster, J.S. 2680
 Foster, Jack Richard 957
 Foster, John F. 460
 Foster, John W. 1664
 Foster, William Z. 958
 Foster Associates, Inc. 459
 Fowler, Charles B. 959
 Fowler, George L. 1478, 2496
 Fox, Harry D. 960
 Frank, B. 961
 Frank, E.R. 961a
 Frank, N.R. 2353
 Franklin, Ben A. 1985, 2171
 Frawley, Margaret L. 1986
 Frazier, Edward K. 461
 French, Jack 1479
 Freytag, R.C. 99
 Frick Coke Co. 100, 316
 Friedman, Morris 963
 Friends, Society of 1480, 1481, 1546, 1560, 1584
 Frisch, Isadore 101
 Friscia, August B. 462
 Fritz, W.G. 463
 Fuller, Carol A. 964
 Fuller, Justin 464
 Fulton, John 2497
 Gage, E. Lyle 2356
 Gagliardo, Domenico 965
 Gale, Hoyt S. 2493, 2498
 Gallagher, Mary B. 966
 Gandy, Harry L. 465, 1759
 Gannes, Harry 967
 Ganyard, David W. 466
 Garfield, James R. 1760
 Garnsey, Cyrus 1761, 1762
 Gartin, Edwin V. 968
 Gash, Stephen L. 1987
 Gasification 336, 460, 536, 541, 621, 676, 711, 731, 732, 739, 2670, 2703, 2785
 Gasper, Donald 2499
 Gates, Lathrop M. 1988
 Gauger, A.W. 2681
 Gay, Katherine 969, 970
 Gebhart, John G. 971
 Geer, Max Richard 1852
 General Policies Committee of Anthracite Operators 467, 972, 973, 974
 George, Henry 975
 George, J.R. 1834
 George, John E. 976, 977
 George's Creek Coal & Iron Co. 102
 Georgia 250, 291
 German, Ralph H. 1763
 Germans 1124
 Germer, Adolph 878, 1089
 Gershuny, William A. 1765
 Geyer, Wayne A. 1989
 Giardino, Dennis A. 2640
 Gibbons, P.E. 1482
 Gibbs and Hill, Inc. 2682
 Gibson, A.M. 103, 2500, 2501
 Gilbert, Oscar E. 2683

- Gilbertson, H.S. 2684
 Gilfillan, Harriet W. 1483
 Gillenwater, Mack H. 103a
 Gillespie, Marie 2685
 Ginger, Ray 104, 468
 Girard, Stephen 135, 310
 Gitlow, A.L. 469
 Gladden, James W. 1484
 Glass, Gary B. 2686
 Glasser, Carrie 978
 Gleason, Arthur 979, 980
 Glenn, L.C. 105, 2502
 Glover, Thomas O. 1665
 Gluck, Elsie 981
 Goldberg, Everett F. 1990
 Goldenweiser, E.A. 470, 1764
 Goldstein, Morris 1991
 Goldwasser, T. 1485
 Gompers, Samuel 982, 983, 984
 Goodman, Gordon T. 2687
 Goodrich, Carter 1486, 1487, 1488
 Goodyear, Watson A. 2503
 Gordon, Leland 1489
 Gordon, Richard L. 471, 472, 2688
 Gordon, Suzanne 1992
 Gordon, Zachariah 291
 Government Regulation 174, 1729,
 1743-1828, 1875, 1896, 1903, 1906,
 1911, 1919, 1920, 1934, 1936, 1940,
 1948, 1952, 1956, 1972, 1977, 1983,
 1988, 1996, 2005, 2034, 2042, 2044,
 2047, 2059, 2074, 2082, 2084, 2085,
 2090, 2134, 2135, 2136, 2138, 2155,
 2157, 2166, 2203-14.
 Gowaskie, Joseph M. 984a, 984b
 Gowan, F.B. 694
 Grady, William H. 473
 Graebner, William 106, 2172-74
 Grafton Coal Co. 1951
 Graham, Herman D. 1993
 Grauman, Lawrence 985
 Gray, George 986
 Grayson, Charles 474
 Greeks 208
 Green, Archie 956, 2307-12
 Green, Edward M. 1765
 Green, Jerry E. 1994
 Green, Stephen H. 2504
 Green, William 988, 989
 Greenback-Labor Party 997
 Greenbaum, Fred 990
 Greenbaum, Margaret E. 474a
 Greenburg, William 1995
 Greene, Charles S. 107
 Greene, Homer 2690
 Greene, Joseph A. 1667
 Greene, Victor R. 2280, 2281, 2282,
 2283
 Greenslade, Rush V. 991
 Greenwood Slope Colliery 115
 Gregg, Robert 108
 Greiner, John E. 1668
 Griess, Phyllis R. 1465, 1967, 1968,
 2505, 2660
 Grievance procedures SEE ALSO
 arbitration 934
 Griffin, Gerald 1490
 Griffith, W.T. 2506
 Griffith, William 109, 110, 111
 Groff, Sidney L. 1996
 Grogan, Dennis S. 992
 Groner, Isaac N. 993
 Grossman, Jonathan 994, 995
 Grube, Walter E. 1853
 Grundy County, Tennessee 181
 Guernsey, James L. 2002
 Guernsey, Lee 1971, 1998-2001, 2487
 Gundlack, Doris 996
 Gutheim, A.G. 1669
 Gutman, Herbert G. 997-1000, 2284,
 2285
 Guttridge, Leonard F. 1137
 Guyandotte Land Co. 112
 Guyer, John P. 1001
 Gwynn, Thomas A. 2003
 Haas, Albert 2004
 Haas, Eric 1002
 Haas, Frank 2691
 Hachman, Frank C. 475
 Hack, John T. 113
 Hackamack, Lawrence C. 1003
 Haelig, Arthur W. 2357
 Hagen, Bruce 2005
 Hager, Charles J. 114
 Haggerty, Thomas T. 960
 Haines, Michael R. 1490a
 Halberstadt, Baird 115
 Hale, G.E. 476
 Hale, Peter M. 2507
 Hall, Betty S. 1004
 Hall, Bob 1004a
 Hall, Clarence 2175
 Hall, Daniel 1767
 Hall, Helen 1491
 Hall, R.D. 1492, 2238, 2508, 2509
 Hall, Robert E. 477
 Halliburton Company 1854
 Hambridge, Jay 1493
 Hamill, R.H. 1494
 Hamill, W.S. 89
 Hamilton, Patrick A. 2691a
 Hamilton, Rex 2313
 Hamilton, Walter H. 478-81
 Hammond, Allen L. 2692
 Hammond, M.B. 482

Hand, Alfred 483
 Hand, Wayland D. 2314
 Hanes, J.E. 2510
 Hanford, Ben 1005
 Hanna Coal Co. 1922, 2021
 Hannah, H.W. 2007
 Hapgood, Powers 1006
 Hard, William 1007, 1008
 Hardee, James A. 2042
 Hardesty, C. Howard 485
 Hardesty, David C. 1768
 Harding, G.E. 2694
 Hardman, J.B.S. 1009
 Hardt, Anton 116
 Hardy, Carroll F. 2693
 Harger, Charles M. 1010
 Harlan County, Kentucky 158, 839a,
 840a, 870, 871, 914, 916, 935, 1011,
 1020, 1143, 1186, 1310, 1311, 1312,
 1315, 1321, 1362, 1371, 1420, 1463,
 1497, 1617, 2327, 2564
 Harless, James 397
 Harline, Osmond L. 486
 Harper, Larry 1528
 Harrell, Thomas W. 1509
 Harrington, Daniel 2176, 2177, 2178
 Harrington, George B. 117
 Harris, A.L. 2287
 Harris, Evelyn 118
 Harris, Fred 1011
 Harris, George W. 487
 Harris, Herbert 1012
 Harris, Sheldon H. 1013
 Harrison, Fairfax 1670
 Harrison, George 1769
 Harrison, S.M. 1014
 Harshbarger, Richard B. 488
 Hartman, R.A. 1671
 Hartsock, D. Lane 119
 Harvey, Curtis E. 488a, 489
 Harvey, Helen B. 120
 Harvey, Katherine A. 121, 122, 1015
 Haughee, J.W. 2695
 Haught, Oscar L. 2511
 Haupt, Herman 123
 Hawley, Ellis W. 124
 Hayden, F.V. 125
 Hayes, Charles W. 2512, 2513
 Hayhurst, E.R. 2358
 Haynes, W.W. 370
 Haynes, William H. 490
 Hazard, Erskine 126. 127
 Health 74, 1629, 2329-2432, 2795
 Hebley, Henry F. 1855
 Hecker, David B. 1015a
 Hedgepeth, William 1495
 Hedlin, Menzies & Associates 2696
 Hedstrom, Eric L. 491
 Heinrich, Oswald J. 128, 26972
 Hemphill, William E. 1672
 Henderson, James M. 492, 493, 494
 Henry, John P. 495
 Henry, Patricia A. 1016
 Herlihy, Ann 1017
 Herling, John 1018
 Hermelin, Samuel G. 129
 Herndon, Lyle K. 1856
 Herrin Massacre 803, 845, 943, 1184
 Herrington, Fred 1019
 Hertsgaard, T.A. 1516
 Hess, Arthur E. 2359
 Hess, J.W. 193
 Hesse, Alfred W. 496
 Hester, Patrick 1034
 Hevener, John W. 1020
 Hewett, G.C. 2514
 Hewitt, Abram S. 1013
 Hibbs, William 2698
 Hicken, Victor 1021
 Higgins, Ian T. 2360, 2361
 Higgins, Wallace W. 130
 Hildebrand, John K. 1022
 Hildreth, S.P. 131
 Hileman, Douglas H. 2699
 Hill, F.A. 2515
 Hill, Jack K. 2008
 Hill, Joseph 1023
 Hinds, Roy W. 1024
 Hinrichs, Albert F. 1025
 History 1-329
 Hitchcock, E. 134
 Hodge, James M. 2516
 Hodgson, Bryan 1496
 Hoerr, J. 1026
 Hoffman, Betty Hannah 1497
 Hoffman, Glenn J. 2009
 Hoffman, John N. 135, 498
 Hoffman, Phil 2239
 Hogg, E. 2700
 Holbrook, E.A. 2701
 Holbrook, Stewart H. 1027
 Holland, Charles T. 533, 1770, 2179
 Hollandsworth, Genevieve 1498
 Hollister, G. 2010
 Holloway, Richard B. 1028
 Holm, Edwin E. 499
 Holmes, Charles 1029, 2517
 Holmes, Grant 2011
 Holmes, J.A. 2180
 Holmes, Leslie A. 1673, 2702
 Holt, Homer A. 1030
 Holwerk, David 1031
 Hooper, Wallace D. 500
 Hoover, Herbert 124
 Horsley, Albert 1027
 Hosea, R.M. 2518

Hospitals SEE Health
 Hotchkiss, Jedediah 2519
 Hotchkiss, Willard E. 501, 1032
 Hours of work 449, 451, 520, 814, 1185
 Housing 1446, 1458, 1469, 1494, 1499,
 1502, 1506, 1532, 1533, 1559, 1563,
 1591, 1621, 1626
 Howard, Herbert A. 2012, 2013, 2014,
 2181
 Howard-Smith, I. 2703
 Howe, R.E. 502
 Hubbard, O.B. 274
 Hudson, Harriet D. 1033
 Hudson, Hugh H. 1857
 Hudson, James F. 1674
 Hudson Coal Company 136
 Hudson Institute 503
 Huebner, A.F. 1499
 Huge, Harry 2339
 Hughes, Francis W. 1034
 Hughes, George W. 2520
 Hughes, Mary M. 1035
 Hull, Authur M. 2704
 Hume, Brit 1037
 Humphry, Hiram B. 2240
 Hunt, Edward E. 1771, 1772
 Hunt, Thomas S. 2521-23
 Hunter, Murray B. 2373
 Hurst, Mary B. 137
 Hurst, Thomas E. 504
 Husband, Joseph 1500
 Huskinson, Frank 1501
 Hutchinson, Spencer 505
 Hutchison, M.K. 2419
 Hutnik, Russell J. 2015
 Hutson, Andrew C. 1038, 1039
 Hyatt, R.E. 2363
 Ickes, Harold L. 1040
 Illinois 117, 138, 139, 140, 157, 204,
 243, 264, 384, 427, 428, 568, 632,
 643, 761, 762, 775, 803, 845, 852,
 853, 887, 943, 948, 998, 1021, 1041,
 1042, 1043, 1044, 1047, 1121, 1159,
 1179, 1184, 1225, 1405, 1408, 1427,
 1448, 1450, 1464, 1467, 1485, 1500,
 1509, 1512, 1537, 1562, 1563, 1576,
 1592, 1600, 1607, 1611, 1615, 1643,
 1673, 1715, 1921, 1929, 1957, 1963,
 1993, 2007, 2011, 2016, 2017, 2037,
 2089, 2115, 2241, 2242, 2249, 2250,
 2257, 2265, 2266, 2278, 2358, 2449,
 2486, 2488, 2526, 2623, 2629, 2702,
 2761
 Illinois. Bureau of Labor Statistics
 2241
 Illinois Coal Operators Association
 139, 506, 1041, 1042
 Illinois Coal Strippers Association
 2016
 Illinois. Dept. of Mines and Minerals
 140
 Illinois. Special Commissioners 1044
 Illinois. Strip Mine Investigation
 Commissioners 1044
 Illinois. Strip Mine Investigation
 Commission 2017
 Imbach, Theodore F. 2705
 Imboden, John D. 141
 Imhoff, Edgar A. 2018
 Immigrants SEE Racial and ethnic
 groups
 Indiana 77, 99, 390, 486, 957, 1628,
 1643, 1664, 1675, 1938, 1971, 1998,
 2000, 2001, 2002, 2020, 2039, 2040,
 2046, 2657
 Indiana Coal Association 1675
 Indiana Coal Producers Association
 2020
 Indians 1799, 1899, 2025, 2805
 Industrial Workers of the World
 1045, 1046
 Institute on Man and Science 1502
 International Carbon & Minerals
 Group 704
 International Union of Mine, Mill and
 Smelter Workers 1027
 Inter-University Case Program 1773
 International Labor League 1047
 Iowa 132, 147a, 263, 287, 507, 740,
 1606, 2239, 2326, 2554a, 2750, 2813
 Iowa. State Planning Board 507
 Irwin, N.O. 508
 Irwin, William G. 142
 Island Creek Coal Co. 509, 652, 910
 Isley, Ralph 706
 Italians 231, 999
 Ites, Alfred 1048
 Itter, William A. 1049
 Jackson, Bruce 1503
 Jackson, Charles T. 143
 Jackson, Daniel 510, 511, 512
 Jackson County, Ohio 259
 Jacksonville Agreement 832
 James, Charles M. 450, 513
 James, Thomas C. 144
 James River 145
 Japan 640
 Jarrett, F.G. 2525
 Jensen, Billie 1050
 Jensen, Richard J. 1051
 Jewell Ridge Coal Company 1471
 Jillson, Willard R. 146, 147
 Johnsen, Julia E. 1774, 1775
 Johnson, Allen J. 2706
 Johnson, Arthur F. 2707
 Johnson, Cynthia 147a

- Johnson, Elizabeth S. 1054
 Johnson, James P. 514, 1055, 1776
 Johnson, Jasper 2526
 Johnson, Linda 2021
 Johnson, Ole S. 148
 Johnson, Robert E. 703
 Johnson, Virginia B. 1777
 Johnson, Walter J. 2527
 Johnson, Walter R. 149-53
 Johnston, Richard M. 1676
 Joint Conference of Coal Operators
 and Coal Miners 1056, 1057
 Jones, Alfred C. 154
 Jones, Charles O. 2707a
 Jones, Chester L. 1677, 1678
 Jones, David R. 1058
 Jones, Eliot 155, 1679
 Jones, F. Addison 515
 Jones, Frank A. 1720
 Jones, Mary H. (Mother) 932, 949,
 1059, 1060, 1061, 1094, 1123a, 1135,
 1155, 1292, 1295, 1391, 2308
 Jones, Paul M. 2022
 Jones, Richard W. 2686
 Jones, W.G. 2023
 Jordan, Margaret W. 1504
 Josephy, Alvin M. 2024, 2025
 Joslin, Falcon 1680
 Journalism 911, 1162, 2772
 Judkins, Bennett M. 2363a
 Justi, Herman 1062, 1063
 Jutelis, Victoria 1505
 Kalisch, Philip A. 2242
 Kanarek, Harold K. 1064, 1065, 1066
 Kanawha Coal Co. 2546
 Kanawha Valley 32, 64, 242, 297, 816,
 2582
 Kansas 119, 231, 307, 685, 797, 965,
 1010, 1028, 1327, 1962, 2094, 2243,
 2478, 2479
 Kaplan, Stella A. 1506
 Kapp, Frederic T. 2417
 Karaska, Gerald J. 2708
 Karp, Michael 2709
 Karsch, Carl G. 1507
 Karsh, Bernard 1068
 Katell, Sidney 516, 517, 1647a
 Katz, Max 1859
 Keating, William 156
 Keely, Josiah 1069, 1508
 Keenan, Charles M. 2244
 Keeney, Frank 1414
 Kehoe, John 1070
 Keighley, F.C. 2528
 Keiser, John H. 157
 Keith, Herbert 1681
 Keith, Jean E. 1682
 Kelemen, Thomas A. 158
 Keller, Alvin G. 2026
 Keller, Joseph H. 518
 Kelley, Jay H. 519
 Kellog, P.U. 1014
 Kelly, James F. 1509
 Kemball, K.W. 2463
 Kemp, James F. 2710
 Kennecott Corp. 1780
 Kennedy, Thomas 989
 Kennedy, Thomas F. 1071, 1072
 Kennell, H. Richard 521
 Kent, Raymond P. 1073
 Kent, W.H. 2182
 Kentfield, Calvin 2027
 Kentucky 10, 11, 37a, 41, 76, 101, 146,
 147, 158, 159, 160, 195, 213, 214,
 220, 255, 256, 301, 306, 370, 474a,
 488a, 489, 508, 529, 636, 798, 813,
 830, 839a, 840a, 864, 870, 871, 874a,
 875, 888, 892, 914, 916, 935, 937,
 940, 967, 985, 1011, 1020, 1024,
 1031, 1120, 1136, 1142, 1143, 1186,
 1194, 1277, 1288, 1310, 1311, 1312,
 1315, 1321, 1348, 1362, 1370, 1371,
 1416, 1420, 1447, 1451, 1454, 1461,
 1463, 1469, 1473, 1484, 1490, 1495,
 1497, 1503, 1515, 1543, 1558, 1561,
 1564, 1568, 1583, 1598, 1617, 1624,
 1630, 1718, 1846, 1934, 1948, 1999,
 2012, 2013, 2014, 2022, 2028, 2029,
 2033a, 2048, 2049, 2085, 2093, 2095,
 2149, 2154, 2181, 2217, 2218, 2221,
 2231, 2261, 2327, 2378, 2428, 2433,
 2434, 2461, 2482, 2489, 2506, 2542,
 2564, 2568, 2597, 2608, 2711, 2777,
 2778
 Kentucky Coal Mining Co. 159
 Kentucky Fuel Co. 249
 Kentucky. General Assembly 160
 Kentucky. Geological Survey 2711
 Kentucky. Legislative Research
 Commission 2028
 Kentucky Strip Mining and Reclama-
 tion Commission 2029
 Kenworthy, Wilmer E. 2712
 Kerr, Lorin E. 2364-68
 Kesel, Richard H. 161
 Key, Marcus M. 2369
 Keyes, Charles R. 162
 Kiessling, O.E. 522, 523, 2030
 Kilby, Thomas E. 791
 Killebrew, Joseph 2529, 2530
 Killeen, John F. 524, 1074
 Kimball, James P. 2531
 King, Clyde L. 525
 King, F.A. 1075
 King, L. 1683
 King, Lawrence T. 1076

Kinney, Edward C. 1860
 Kirby, Richard M. 1077
 Kirchway, Freda 1078
 Kish, Gabe 526
 Kissell, F.N. 2245
 Klock, Joseph J. 1079
 Kneeland, Frank H. 2031
 Knights of Labor 1015, 1124
 Knipe, Edward E. 1510, 1511, 1519
 Kodrowsky, William G. 2183
 Koenig, George A. 2532
 Koenig, Robert 2032
 Kolbash, Ronald L. 1861
 Kolde, Endel Jakob 527
 Korson, George 2310, 2314-22
 Kouzian, A. 373
 Krafft, Fred A. 1080
 Krebs, Frank J. 118
 Krebs, Girard 1862, 2033
 Kube, W.R. 2672, 2713
 Kuhn, H.A. 2533
 Kulp, George B. 163
 Labor relations 388, 389, 508, 791-
 1426, 2274, 2280, 2281, 2282, 2283,
 2296
 Labor requirements 374, 402, 403,
 532
 Lacey, John W. 1082
 Lackawanna Iron & Coal Co. 537
 Laing, James T. 165, 2289, 2290
 Lainhart, William S. 2370
 Laird, Wilson M. 1941
 Lake Erie Bituminous Coal Exchange
 2714
 Lamb, George A. 528
 Lambie, Joseph T. 1685
 Landy, Marc K. 2033a
 Lane, Alfred C. 2534, 2535
 Lane, John Q. 1083
 Lane, Winthrop D. 1084, 1085, 1086
 Lang, Robert 2045
 Langdon, Emma F. 1087, 1088
 Lansing, R.R. 166
 Lantz, Herman R. 1512
 Lapp, N. Leroy 2371
 Larkin, R.P. 1863
 Larsen, Thomas A. 2034
 Larwood, Gary M. 1686
 Lash, Terry R. 1778
 Laslett, John H.M. 1089
 Lathrop, John E. 2715
 Lauck, Rex 1091, 1864
 Lauck, W.J. 1513, 1687, 1688, 2184
 Laurel County; Kentucky 11, 195
 Lavine, Irvin 167
 Lawson, John R. 837
 Lawson, William F. 2185
 Leach, Paul R. 1008
 Leamer, Laurence 168, 1092, 1514
 Leasing SEE Government Regulation
 Lebus, William F. 529
 Leckie, William 85
 Lee, Howard B. 1093
 Lee, Jennie 1515
 Leeds, Joseph 1094
 Lehigh Coal and Navigation Co. 73,
 169, 170, 171, 217, 288, 530, 1095
 Lehigh Coal Mine Co. 92
 Leibenguth, C. 2035
 Leighton, George R. 172
 Leisenring, E.B. 531
 Leiserson, William M. 1096
 Leistritz, F.L. 1516, 1965, 2481, 2715a
 Leo Kramer, Inc. 532, 2372
 Leonard, Joseph W. 533, 2179
 Leshner, C.E. 534, 535, 668, 2716
 Leshy, John D. 1778
 Lesley, J.P. 2717
 Lessing, Lawrence 536
 Letcher, Duane A. 2718
 Levine, Milton D. 2373
 Lewis, Arthur H. 1097, 1098
 Lewis, Helen M. 1511, 1517-19
 Lewis, John L. (About) 183, 254, 794,
 853, 866, 872, 874, 884, 913, 961,
 961a, 962, 966, 988, 993, 1002, 1009,
 1016, 1036, 1052, 1053, 1091, 1144,
 1150, 1182, 1187, 1235, 1256, 1271,
 1289, 1306, 1314, 1324, 1388, 1389
 Lewis, John L. (By) 1099-1116
 Lewis, Robert S. 2536
 Lewis, Thomas L. 117, 118
 Lewis, W. David 537
 Lewis, William D. 1779
 Lezius, Walter G. 2719
 Libby, John H. 538
 Lieben, Jan 2374
 Light, Ed 2035a
 Lignite 34, 167, 539, 582, 1985, 2073,
 2567, 2672, 2713
 Ligutti, Father 1606
 Lilienthal, Daisy M. 1119
 Lilienthal, David E. 540
 Limstrom, G.A. 2036, 2037, 2038
 Lind, Owen T. 1939
 Lindsay, J.J. 1520
 Linton, Ron M. 1120
 Liquefaction 336, 707, 711, 2670, 2703,
 2803
 Little (Arthur D) Inc. 541, 542
 Little Schuylkill Navigation, Railroad
 & Coal Co. 251
 Lively, C.E. 1086
 Livingston, William J. 1523
 Lloyd, Henry D. 929, 1121

- Loaf, T. 1122
 Lockshin, M.D. 2375
 Logan, Samuel C. 1123
 Logan Coal Operators Association 173
 Logan County, W.Va. 120, 137, 173, 283, 300, 319, 1307
 Lohmann, Karl B. 1524
 London, Jack 1068
 London, Kentucky 1312
 Long, Priscilla 1123a
 Long, Stephen C. 2720
 Longin, Thomas C. 174
 Lopez, Lorreda 2631
 Lopushansky, Joseph 2323
 Lord, N.W. 2721, 2722
 Lorenz, Walter C. 1865
 Loring, Robert D. 2039, 2040
 Louisville and Nashville Railroad 1682
 Love, George H. 175
 Love, Robert A. 543
 Lovejoy, Owen R. 1525, 1526, 1527
 Lovell, Hugh G. 836
 Loving, Rush 1780
 Lowery, William 1689
 Lowitt, Richard 1124
 Lowrie, Raymond L. 544
 Lozier, John 1528
 Lubin, Isador 545
 Lucas, John W. 546
 Lucas, Joseph R. 547
 Lucas, Rex A. 220, 2246, 2247
 Lucy, Ernest W. 1125
 Lund, Richard L. 460
 Luther, Edward T. 2537
 Lycoming Coal Company 176
 Lynch, Edward A. 1134
 Lynch, Lawrence R. 1126
 Mabry, Scott H. 1793
 McAdam, Dunlap J. 1781
 McAteer, James Davitt 1833, 2186, 2187
 McAuliffe, Eugene 177, 178, 548
 MacAvoy, Paul W. 1690
 McCabe, James D. 1127
 McCain, D.L. 1661
 McCalley, Henry 2539, 2540
 McCarthy, Colman 1529
 McCarthy, Justin 1128
 MacCartney, John C. 1866
 McCaslin, Hugh 1459
 McCauley, Ray L. 179
 McClane, William 180
 Maclean, Annie M. 1530
 McCloud, Leland W. 549
 McClurg, Donald J. 1129
 McConagha, William A. 1130
 McConnell, George W. 1131
 MacCorkle, William A. 2723
 McCormick, Allen 181
 McCormick, Kyle 1132, 1133
 McCullough, David G. 2041
 McDonald, David J. 1134
 McDonald, Rita 182
 McDowell, Ira L. 1691
 McDowell Recorder 1135
 McFarland, Charles K. 183
 Macfarlane, Graham 2542, 2724
 Macfarlane, James 2541
 McGill, Nettie P. 1531
 McGinley, Patrick C. 2041a
 McGoldrick, Joseph 1136
 McGovern, George S. 1137
 McGraw-Hill Department of Economics 550
 Maguire, Don 2248
 Machinery SEE Equipment
 Machisak, John C. 2188
 Mackey, Terrence 2042
 McKie, James W. 551
 M'Killop, James 2543
 McLeod, A.A. 2725
 McNair, Mary B. 2191, 2192
 McParlan, James 817
 Maddala, G.S. 552
 Magnusson, Leifur 1532, 1533
 Maguire, John 210, 1782
 Mahany, Rowland B. 1138
 Mailly, William 1139
 Maloney, John 1534
 Management 340, 354, 456, 468, 492, 493, 494, 594, 605, 705, 1032, 1161, 2684, 2696
 Maneval, David R. 2043, 2044
 Manley, Robert N. 184
 Mansfield, Harvey C. 1692
 Marble, Samuel W. 1140
 Marcus, Irwin M. 1141
 Marja, Fern 1535
 Marketing 330, 413, 415, 417, 429, 502, 533, 546, 585, 685, 698, 701, 758, 783, 789, 2642
 Markham, Edwin 1536
 Markon, George 553
 Marks, Avrum 554
 Marley, Harold P. 1142, 2726
 Marshall, Eliot 1143
 Marshall, L.C. 1693
 Marshall, J.J. 2727
 Martens, Charles D. 555
 Martin, Albrow 184a
 Martin, G.C. 2544
 Martin, John B. 1144, 1537, 1538, 2249
 Martin, Joseph E. 2376, 2377

- Mary Evengela, Sister 1145
 Maryland 12, 68, 89, 102, 121, 122,
 185, 200, 228, 234, 304, 313, 846,
 1015, 1124, 2509, 2520, 2560
 Maryland Mining Co. 2520
 Maryland University. Bureau of Busi-
 ness and Economic Research 185
 Mason, Arthur J. 2728
 Mason, Richard H. 1914
 Mason County, West Virginia 82, 249
 Massay, Glenn F. 186, 1783
 Massie, William A. 2378
 Mathews, P.L. 2291
 Mathews, William G. 1146
 Matson, Thomas K. 2728a
 Matthews, Ellen N. 1539
 Matthiessen, F.O. 1147
 Mauch Chunk 230, 273
 Mauer, M. 1148
 Maurer, Charles E. 1149
 Maury, Matthew F. 2545
 Maury, Richard L. 2546
 May, Morton 2045
 Mazzei, Frank Joseph 1540
 Mead, Richard R. 556
 Meade, Edward S. 557
 Mechanization 416, 443, 501, 623,
 1519, 2653, 2783, 2784, 2790
 Medical care SEE Health
 Medrick, George 949a
 Medvick, Charles 2046
 Meier, Richard L. 1923
 Meiners, Robert G. 2047
 Melder, F.E. 187
 Mell, P.H. 2547
 Melton, John R. 558
 Menefee, Seldon C. 1150
 Mercier, J.D. 27a
 Merrick, Mary A. 1151
 Merrill, William M. 559
 Merritt, Stephen E. 2048
 Merritt, Walter G. 1152, 1153
 Meriwether, F.V. 2380
 Merz, Robert 2049
 Michalik, Benjamin A. 188
 Michelson, M. 1154
 Michigan 166, 382, 2517, 2534, 2581
 Midlothian Colliery, Virginia 128, 274
 Miernyk, William H. 560, 561, 562
 Miesse, Charles 189
 Mihalek, John A. 563
 Mikeal, Judith E. 1155
 Miller, Arnold 860, 1784, 2381, 2730
 Miller, B.L. 2548
 Miller, E. Willard 564, 565, 1785,
 2050, 2549
 Miller, George L. 190
 Miller, Glenn W. 1156
 Miller, Harold W. 2382
 Miller, Iva A. 2383
 Miller, Lee H. 2384
 Miller, Nora 1541
 Miller, Rice 1157
 Miller, Saunders 565a
 Miller, Stanley 1158
 Millet, Philippe 1159
 Mills, C. Wright 1160
 Mills, Ted 1161
 Minard, Ralph D. 2292
 Mine disasters 2217-71, 2304, 2305
 Mine drainage 1830, 1834, 1835, 1856,
 1858, 1859, 1860, 1865, 1871, 1877,
 1883, 1884a, 1886, 1891, 1894
 Minear, Roger A. 1867a
 Miner, William P. 191
 Miners for Democracy 834, 1051,
 1196a, 1230, 1279
 Mining Enforcement & Safety Ad-
 ministration 2196
 Minnesota 433, 753
 Mintz, Robert E. 2051
 Mischaikow, Michael K. 566
 Missouri 25, 26, 662, 685, 2251, 2462,
 2621
 Missouri. Bureau of Labor Statistics
 2251
 Mitchell, John 981, 984a, 984b, 1165-
 70, 1293, 1383, 1398, 2731
 Mitchell, Thomas D. 192
 Mitchell, William 1148
 Mollie Maguires 793, 817, 819, 840,
 861, 897, 898, 930, 1070, 1097, 1125,
 1222, 1245
 Monell, Louis F. 567
 Monnett, Osborn 1868
 Monongah Mines Relief Committee
 2252
 Monongahela River Basin 2682
 Monopolies SEE Competition
 Montana 39, 94, 182, 1767, 1852, 1954,
 1980, 1981, 1996, 2003, 2055, 2151,
 2527, 2561, 2576, 2577, 2594, 2685,
 2755
 Montgomery, Hugh B. 2052
 Mooney, Fred 193
 Moore, Elizabeth C. 423
 Moore, James R. 568
 Moran, E.L. 1694
 Morgan, John D. 569
 Morgan, William K.C. 2385-88
 Morgis, G. 2165
 Morony, Ives Guy 1171
 Morris, Homer L. 1543
 Morris, Israel W. 570
 Morris, Thomas John 1544
 Morris and Essex Railroad 312

- Morrow, Felix 1172
 Morrow, J.D.A. 571, 572, 1695, 2732
 Morse, Kenneth M. 2190
 Morton, Edward W. 1127
 Morton, Eleanor 194
 Morton, Rogers C. 2053
 Mory, Samuel A. 11, 195
 Moses, H.M. 573, 1173
 Moss, Alex 196
 Mountain Community Union 2054
 Mourat, Mary P. 197
 Moyer, Forrest T. 2191, 2192
 Moyer, Reed 574, 575, 1696
 Muckelston, Sandra 2055
 Muelhof, William E. 576
 Muhlenberg County, Kentucky 256
 Mules 2659, 2700, 2742
 Mulholland, Joseph P. 577
 Mullan, Joseph W. 1786
 Mumford, John Kimberly 2733
 Munn, Robert F. 2056, 2057, 2058
 Munroe, Henry S. 2734
 Murphy, Marion 2550
 Murphy, R.E. 578, 1545, 2550
 Murphy, Raymond 2735, 2736
 Murray, Ellen P. 1175
 Murray, Philip 1176, 1177, 1178
 Murray, T.J. 579
 Mushrooms 2705, 2812
 Musick, Ruth Ann 2324, 2325
 Muste, A.J. 1179
 Mutmansky, Jan M. 2059
 Mutschler, Paul H. 580, 1697
 Myers, James 1546
 Myers, Leroy O. 2060
 Myers, Robert J. 1180, 1181
 Myerscough, Tom 1182
 Nader, Ralph 1183
 Nash, Harry D. 2061
 Nathan (Robert R.) Associates 581, 582, 583
 National Academy of Engineering 2193
 National Academy of Public Administration 1787
 National Coal Association 584, 585, 1184, 1185, 2737
 National Coal Policy Conference 524, 2738, 2739
 National Fuels and Energy Study Group 586
 National Committee for the Defense of Political Prisoners 1186
 National Independent Coal Operators Assoc. 2769
 National Industrial Conference Board 587, 588, 2740
 National Mine Health and Safety Academy 2816a
 National Miners Union 870, 935a
 National Petroleum Council 589
 National Recovery Administration 1104, 1748, 1776
 National Research Council 2391
 National Save the Miners Union 1187
 Nearing, Scott 590, 591
 Nebraska University. Committee on Business Research 592
 Nebraska 125, 184, 190, 592
 Negroes 997, 1453, 2272, 2273, 2274, 2275, 2276, 2277, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2292, 2293, 2294, 2296, 2297, 2299
 Nellis, Lee 1547
 Nelson, C.W. 2401
 Nelson, H.L. 1548
 Nelson, Jon P. 2741
 Nelson, Wilbur A. 2551
 Nephew, E.A. 593, 2062
 Nerlove, Marc 594
 Neubert, Ann 1549
 Neumann, G.R. 2741
 New Deal 514
 New Jersey. Legislature 1698, 2743
 New Mexico 161, 739, 969, 970, 1147, 1316, 1904, 2099, 2585
 New York 78, 286, 311, 363, 491
 New York & Richmond Coal Co. 2747
 New York City 363
 New York Coal Co. 199
 New York. Legislature 1699
 New York Public Library 1788
 New York. Public Works Dept. 1700
 Newcomb, Harry T. 1188, 1701
 Newhard, I.C. 2742
 Newhouse, Joseph 595
 Newman, C. Janet 2392
 Newspapers SEE Journalism
 Nicholls, T.D. 1191
 Nichols, Francis H. 1550
 Nicolls, William J. 200, 201, 202
 Noehren, T.H. 2343
 Noise 2640, 2662
 Nold, H.E. 2748
 Nolden, Carol 2749
 Noon, W.H. 1551
 Noonan, J. Robert 1552, 1552a
 Norfolk and Western Railroad 1685, 1702
 Norris, R.V. 596, 597
 North, Dan 1192
 North American 203
 North Carolina 143, 153, 180, 2463, 2466, 2507
 North Dakota 34, 167, 1516, 1941, 1985, 2005, 2073, 2481

- Northern West Virginia Coal Association 1193
 Northern West Virginia Coal Operators Association 2552
 Northrup, Herbert R. 2293
 Norton, Helen G. 1553
 Norton, R. Henry 2553
 Nugent, Tom 1870
 Nunn, W.L. 1419
 Nuttall, John 1554
 Nyden, Paul J. 1194-97, 2294
 Obenauer, Marie L. 1555, 1556
 O'Brien, Larry D. 1198
 O'Brien, William S. 1871
 Ogden, R.D. 2108
 O'Hanlon, Thomas 1199
 Ohio 35, 49, 55, 59, 75, 130, 131, 205, 227, 241, 253, 259, 260, 278, 279, 280, 282, 289, 321, 322, 500, 598, 599, 664, 783, 825, 833, 844, 1198, 1200, 1260, 1318, 1358, 1449, 1489, 1588, 1736, 1737, 1796, 1910, 1950, 1953, 1969, 1974, 1983, 2008, 2021, 2033, 2038, 2077, 2078, 2086, 2087, 2103, 2219, 2285, 2358, 2393, 2435, 2465, 2522, 2523, 2524, 2554, 2578, 2587, 2605, 2664, 2695, 2719, 2759, 2774
 Ohio Chamber of Commerce 598
 Ohio. Coal Mining Commission 599
 Ohio. Dept. of Industrial Relations 205
 Ohio. General Assembly 1200
 Ohio. Mining Commission 2554, 2774
 Ohio. State Department of Health 2393
 Ohio State University 2722
 Oil companies SEE ALSO Competition 424, 577, 641, 707, 777
 Oklahoma 47, 103, 1586, 1849, 2457, 2484, 2485, 2805
 Old Dominion Coal Co. 2546
 Older, Cora 1201, 1202
 Olin, H.L. 2554a, 2750
 Olmsted, Harry 1203
 Operators' Association of the Williamson Field 1205
 Operators associations 265
 Orchard, John E. 1789, 1790
 Oregon 1852, 2553, 2574
 Ormiston, Thomas 600
 Osage County, Kansas 119
 Osborn, Elburt F. 601
 Otto, H.H. 2063
 Owen, C.E. 1557
 Owens, John W. 1206
 Pabst, William R. 602
 Packer, Mel 2253
 Packer, Paul E. 2064
 Page, William N. 1013, 1703, 2254
 Palange, Mark 1558
 Palmer, Frank L. 1207, 1208
 Palomba, Catherine A. 2194
 Palomba, Neil 2195
 Palzer, Doris 1079
 Paone, James 2065
 Papanikolas, Helen Z. 208, 209, 1209
 Parker, Edward W. 603-607, 1210, 1211, 1559, 2752
 Parker, Glen L. 608
 Parker, Ruth L. 1560
 Parker, U.S. 1212
 Parker, W.J. 1704
 Parlow, Anita 1561
 Parry, V.F. 609
 Parsons, Floyd W. 1213, 1562, 2066, 2255, 2510, 2555-61
 Parsons, John D. 2067
 Patterson, Joseph F. 210, 1214
 Patterson, Louise H. 211
 Patton, James L. 2753
 Patton, Norman F. 1705
 Paul, J.W. 1791, 2256
 Paul, Wolfgang 212
 Payne, Henry M. 2562, 2563
 Peabody Coal Co. 610, 1563, 1794, 1913, 1925
 Peach Orchard Coal Co. 213
 Pearce, Albert 214
 Pearce, John E. 1564
 Pearse, Ben 1215
 Pearson, Ronald G. 611
 Peck, Maynard A. 612
 Peck, W.R. 2564, 2565
 Peltier, M.F. 2566
 Penchansky, Roy 2394, 2415
 Pendergast, John J. 2395
 Pendergrass, Eugene P. 2396, 2397
 Pennsylvania 2, 16, 17, 19, 20, 21, 24, 27, 27a, 33, 43, 45, 46, 50, 51, 52, 53, 56, 57, 58, 65, 86, 88, 90, 91, 92, 100, 110, 115, 116, 126, 135, 144, 152, 163, 164, 168, 169, 170, 172, 176, 179, 194, 203, 210, 211, 215, 216, 217, 218, 221, 222, 226, 228, 229, 230, 237, 244, 245, 246, 251, 252, 267, 268, 269, 271, 273, 276, 281, 285, 288, 292, 294, 299, 308, 309, 310, 311, 312, 316, 320, 328, 329, 333, 346, 356, 394, 463, 483, 498, 537, 555, 564, 565, 605, 613, 614, 615, 616, 617, 618, 619, 620, 626, 639, 661, 664, 750, 786, 793, 796, 840, 850, 897, 898, 912, 919, 946, 949a, 975, 999, 1000, 1001, 1006, 1014, 1034, 1049, 1065, 1071, 1072,

- 1081, 1083, 1090, 1096, 1123, 1138,
1139, 1141, 1151, 1153, 1190, 1214,
1216, 1217, 1223, 1224, 1231, 1232,
1245, 1272, 1273, 1289, 1302, 1343,
1349, 1352, 1358, 1411, 1419, 1433a,
1434, 1435, 1442, 1445, 1465, 1472,
1482, 1483, 1490a, 1493, 1502, 1513,
1522, 1526, 1530, 1532, 1542, 1550,
1569, 1575, 1579, 1580, 1596, 1603,
1612, 1616, 1627, 1709, 1713, 1741,
1782, 1785, 1803, 1828, 1844, 1863,
1866, 1873, 1876, 1878, 1882, 1895,
1898a, 1948, 1955, 1968, 2023, 2031,
2044, 2050, 2060, 2063, 2066, 2068,
2074, 2097, 2121, 2161, 2162, 2199,
2222, 2224, 2229, 2264, 2273, 2281,
2282, 2283, 2318, 2321, 2322, 2323,
2329, 2374, 2387, 2436, 2438, 2467,
2468, 2497, 2499, 2505, 2528, 2531,
2533, 2549, 2550, 2575, 2580, 2592,
2596, 2598, 2613, 2624, 2626, 2654,
2660, 2668, 2676, 2678, 2679, 2680,
2703, 2709, 2818
- Pennsylvania. Anthracite Coal Com-
mission 613
- Pennsylvania. Anthracite Coal In-
dustry Commission 614, 615, 616
- Pennsylvania. Commission on Special
Policing in Industry 1216
- Pennsylvania. Commissioners to In-
vestigate the Bituminous Coal
Mines 617
- Pennsylvania. Department of Mines
and Mineral Industries 216, 2068
- Pennsylvania. General Assembly 217,
218, 618, 1217
- Pennsylvania. Greater Pennsylvania
Council 619, 620
- Pennsylvania Railroad 123
- Pense, Ronald A. 2754
- Pensions 576
- Perry, Harry 621
- Perry, Huey 1565
- Perry, Vernon F. 1218
- Perry County, Illinois 243
- Persee, Franklin H. 2069
- Peterson, Bill 1566
- Peterson, Robert L. 1980
- Petitt, S.W. 1083
- Petras, George S. 1219
- Pfleider, Eugene P. 2070
- Phee, Catherine A. 2257
- Philadelphia & Reading Coal & Iron
Co. 48, 766, 1706
- Philadelphia & Reading Co. 393
- Philadelphia & Reading Railroad Co.
6, 1706, 1722
- Phillips, G. Jenkins 219
- Phillips, Cabell 1220
- Phillips, James G. 622
- Phoebus, J.W. 1221
- Pickard, Claude E. 220
- Pickell, John 159
- Pickett, Tom 623
- Pierce, James 221, 222
- Pierce, R.A. 2567
- Pierce, Richard A. 223
- Pinchot, Gifford 624
- Pineville, Kentucky 1461
- Pinkerton, Allan 1222
- Pinkertons 380
- Pinkowski, Edward 625, 1223, 1224
- Pipelines 1638, 1648, 1655, 1661, 1671,
1717a 1719, 1723, 1724, 1738, 1739
- Pittsburgh & Buffalo Co. 244
- Pittsburgh & Midway Coal Mining
Co. 207
- Pittsburgh & Westmoreland Coal Co.
630
- Pittsburgh. Chamber of Commerce
626, 1707
- Pittsburgh coal bed 80, 83
- Pittsburgh Coal Co. 1748
- Pittsburgh Consolidation Coal Co.
400
- Pittsburgh. University 2071
- Pittston Coal Company SEE Buffalo
Creek
- Plass, William T. 2072
- Pneumoconiosis SEE Health
- Pocahontas Operators Association
225
- Pohlmann, Kenneth E. 2398
- Poles SEE Racial and ethnic groups
- Police 380, 919, 1001, 1216, 1273, 1419
- Poliniak, Louis 226
- Pollak, Katherine H. 1225
- Pollard, Benjamin C. 2073
- Pollard, Spencer D. 1226
- Pollock, John 1797
- Polkov, Walter N. 1567
- Polzin, Paul E. 2755
- Pomeroy, S. 227
- Pomeroy, Samuel W. 228
- Pope, George S. 2756
- Porter, Eugene O. 1227
- Posey, Thomas E. 627, 1228
- Petkin, Allen J. 2073a
- Potter, Charles J. 628
- Powderly, Terence V. 1372
- Powe, George R. 1708
- Powell, Allan K. 1229, 2258
- Powell, H. Benjamin 229, 230, 1709
- Powell, William E. 231
- Power, Garrett 1990
- Pratt, John B. 1792

- Preate, Ernest D. 2074
 Preston, Dennis R. 2757
 Price, Tom 1872
 Price fixing SEE Competition
 Price of coal 348, 369, 375, 410, 437, 441, 450, 492, 525, 535, 545, 549, 624, 668, 713, 725, 733, 781, 2808a
 Priest, Wayne C. Jr. 2075
 Primack, Phil 1230
 Pritchard, Paul W. 1231, 1232
 Privratsky, Bruce 629
 Production 452, 738, 2767
 Productivity 331, 350, 352, 453, 513, 552, 681, 683, 776
 Profits 350, 437, 470, 695, 738, 744, 781, 782
 Progressive Miners of America 853, 1018, 1033, 1369, 1425, 1426
 Project Independence SEE ALSO U.S. Federal Energy Administration 503, 742
 Proposed Plan for Smelting Iron Ore with Anthracite Coal 232
 Pryde, George B. 233
 Psychological tests 2639, 2656, 2668, 2819
 Public opinion 1981, 2077, 2078, 2080, 2149, 2825
 Public relations 926, 1897, 2729, 2769, 2772
 Pultz, J.L. 630, 2568
 Pundari, N.B. 2076
 Purcell, William J. 1233
 Quakers SEE Friends, Society of
 Quarles, Mary A. 1568
 Raccoon Coal & Iron Co. 44
 Racial and ethnic groups SEE ALSO Negroes 208, 231, 999, 1124, 1175, 1229, 1427, 1479, 1482, 2272-2300
 Railroads SEE ALSO Names of individual railroads, unit trains 6, 67, 119, 1090, 1632, 1674, 1681, 1710, 1711, 1712, 1717, 1722, 1730, 1731, 1732, 1733, 1737, 1741, 1742, 1752, 1810
 Ramsay, E. 2569
 Randall, D.T. 631
 Randall, James G. 1234
 Randolph, B.S. 234, 2570
 Randolph, L.S. 235
 Randolph County, West Virginia 60
 Rangell, Leo 2399
 Ranick, Elmer 236
 Rashleigh, Alice V. 237
 Raskin, A.H. 1235, 1569
 Rasmussen, Donald L. 2400, 2401
 Rasmussen, Jeanne M. 1236, 1237, 2402
 Ratliff, Paul 1570
 Rau, Otto M. 632
 Raushenbush, Hilmar 633, 1238
 Raushenbush, Stephen 1239
 Ray, Frank A. 2759
 Ray, John R. 2077, 2078
 Raymond, R.W. 2403
 Read, Thomas L. 1240
 Reclamation 1896, 1904, 1912, 1914, 1915, 1929, 1935, 1969, 1970, 1971, 1976, 1978, 1979, 1988, 1990, 1991, 1994, 1999, 2001, 2003, 2015, 2018, 2036, 2037, 2038, 2045, 2046, 2055, 2064, 2065, 2068, 2072, 2075, 2079, 2081, 2083, 2090, 2091, 2106, 2107, 2124, 2127, 2139, 2141, 2153
 Recreation 1867, 1898a, 1923
 Reddy, Nallapu N. 2080
 Reed, J.R. 1671
 Reed, William B. 634
 Rees, Albert 635
 Reeves, H.C. 636
 Reid, Ford 1420
 Reitell, Charles 637, 1711
 Reith, John W. 2760, 2761
 Reitze, Arnold W. 2084
 Religion 1523, 1572
 Renkey, Leslie E. 2085
 Reorganized Mine Workers of America 879
 Research 409, 727, 2674, 2681, 2692, 2701, 2749, 2798, 2799, 2800, 2809a, 2824
 Resources 2632
 Retail coal trade 418, 500, 592, 677, 680, 710
 Reyes Associates, Inc. 2195a
 Reynolds, James E. 1571
 Reynolds, Robert J. 1243
 Reynolds, S.C. 240, 1244
 Reynolds, W.C. 2571
 Rhode Island 1, 87, 134, 248, 272, 2442
 Rhodes, Ben 2763
 Rhodes, James F. 241, 1245
 Rice, George S. 638, 2259, 2764
 Rice, James P. 639
 Rice, Millard M. 1246
 Rice, Otis K. 242
 Rich, Mark 1572
 Rich, Paul 243
 Richards, W.B. 244
 Richardson, F.L.W. 1573
 Richardson, G.B. 2572
 Richardson, Richard 245
 Richmond, William H. 246
 Rickard, Thomas A. 247
 Ridenour, George L. 1574

Ridgeway, James 640, 641, 1247
 Ridgeway, Thomas S. 248
 Rieber, Michael 641a
 Riley, Charles V. 2086, 2087
 Rimlinger, Gaston 1248
 Ringer, Strawder A. 1249
 Risser, Hubert E. 642-45
 Robbins, W.B. 249
 Roberts, Derrell 250
 Roberts, Ellis W. 1873
 Roberts, James A. 1793
 Roberts, Peter 646, 1250, 1575, 2295
 Roberts, W.F. 251, 252
 Robinson, M.B. 1576
 Robinson, Neil 1251, 2573
 Rochester, Anna 1252
 Rochester and Pittsburgh Railroad
 1713
 Rockefeller, John D. 1253
 Rockville Coal Mining Co. 253
 Rockwell, Cleveland 2574
 Roden, B.F. 1577
 Roepke, Howard H. 647
 Rogan, John M. 2404
 Rogers, H.O. 2765
 Rogers, Jack 1578
 Rogers, Nelson F. 2088
 Rogers, William H. 1794
 Roller, Anne H. 2575
 Rood, Henry E. 1254, 1579
 Roosevelt, Franklin D. 961a, 962,
 1020, 1172, 1255
 Roosevelt, Theodore 1580
 Ropiequet, R.W. 1712, 2766
 Rosen, George 2405
 Ross, Hugh 254
 Ross, M.H. 1581, 1582
 Ross, Malcolm H. 1582, 1584
 Rostow, Eugene 1795
 Rothert, Otto A. 255, 256
 Rothfus, Robert R. 1713
 Rothman, Richard M. 1256
 Rothwell, Richard 2767
 Rouse, Elaine 1257
 Rowe, J.P. 2576, 2577
 Rowe, J.W.F. 2768
 Rowland Coal Co. 510
 Roy, Andrew 257-60, 1258, 1585,
 1796, 1797, 2260, 2406, 2578, 2579
 Rubenstein, Stanley 2769
 Rudd, R.D. 2089
 Ruffin, Edmund 261
 Rutherford, George W. 262
 Rutland, Robert 263
 Rutledge, J.J. 264, 2770
 Ryan, Frederick, 265, 1586
 Ryan, John A. 1798
 Ryan, John T. 648
 Saalbach, William F. 649
 Safety 1431, 1477, 2112, 2157-2216
 Safford, Beryl M. 2407
 St. Clair Coal Company 1259
 St. John, Isaac M. 1714
 Saliers, Earl A. 1260
 Saline Coal and Manufacturing Co.
 266
 Salvaterra, A.C. 651
 Salvati, Raymond E. 652
 Sampson, R.J. 2564
 Samuels, John 704
 Sanitation SEE ALSO Health 1441
 Sauer, Nora 1261
 Saunders (W.B.) & Co. 653
 Saward, Frederick 654-58, 2580
 Sawhill, John C. 659
 Sawyer, L.E. 2090
 Saxon, George 1262
 Saye, William H. 660
 Scamehorn, Howard L. 1715
 Scanlon, David H. 2091
 Schaefer, Charles B. 2581
 Schaefer, Donald F. 267
 Schanz, John J. 661
 Schenck, George 661
 Schilling, Jane M. 885
 Schlegel, Marvin W. 1263
 Schlick, Donald P. 1874, 2196
 Schlottmann, Alan 1875, 2092
 Schmidt, Richard A. 495
 Schmidt, William F. 2329
 Schmulowitz, Jack 407
 Schneider, David A. 2093
 Schools SEE Education
 Schuylkill County, Pennsylvania 2,
 210, 329, 1049, 1612
 Scobee, Barry 2094
 Scotia Mine Co. 2261, 2266a
 Scott, Addison 2582
 Scott, George H. 1264
 Scott, Jeffrey 2771
 Scott, Karl M. 1265
 Scott, Nell 1266
 Scranton, Pennsylvania 299, 1372,
 1482, 2624
 Scranton. Board of Trade 1716
 Scrip 2645
 Searight, Walter V. 662
 Seaton, Anthony 2388
 Seawall, Frank 1649
 Seeger, Pete 1267
 Segerberg, Osborn 2095
 Seitz, Wesley D. 2096
 Selekmann, Benjamin M. 1268, 1269
 Seltzer, Bob 2197
 Seltzer, Curtis 1270
 Selvin, David F. 1271

- Sennig, C.F. 1148
 Shaffner, M.N. 2097
 Shalloo, Jeremiah P. 1273
 Shamokin Coal and Iron Co. 268
 Shane, Michael 1274
 Shannon, Irwin V. 1588
 Shaw, A.H. 2583
 Shaw, Ira D. 1589
 Sheaffer, Peter W. 2584
 Shenandoah, Pa. 172
 Shepherd, William G. 1590
 Sheppard, Muriel 269
 Sheridan, J.E. 2585
 Sherrill, Robert 1275
 Sherwood, R.H. 2098
 Sherwood Diversified Services 511
 Shields, Art 1276
 Shoemaker, John W. 2099
 Shotts, Reynold Q. 2100
 Showalter, W.J. 2773
 Shurick, A.T. 1591, 2586, 2587
 Shurick, Adam 270, 663, 1717, 2774
 Siehl, George H. 2101
 Siems, George H. 2102
 Silliman, Benjamin 271-74
 Simmons, C.W. 2295a
 Simmons, Jesse 2588, 2589
 Simonds, Jerome H. 1799
 Simpson, Alexander G. 1592
 Simpson, Floyd R. 1800
 Sinclair, Hamish 1277
 Sinclair, Ward E. 1278, 1279
 Siney, John 1223
 Sinks, Alfred H. 2103
 Sisler, James D. 664
 Sitterley, J.H. 2104
 Sizer, Samuel A. 1281
 Skaggs, Charles P. 665
 Skelly & Loy 1876
 Skinner, B.F. 2775
 Slab Fork Coal Co. 275
 Slavs SEE Racial and ethnic groups
 Slocum, William J. 1282
 Sloss, James 1690
 Slosson, Edwin E. 2776
 Sluzalis, Stanley E. 276
 Smith, Bruce W. 666
 Smith, Eldon, D. 2777, 2778
 Smith, Eugene 277
 Smith, Frank G. 667, 1283
 Smith, George O. 668, 669, 1284, 2590
 Smith, Grace P. 2326
 Smith, Joseph B. 2105
 Smith, Richard C. 1593
 Smith, Robert S. 1991
 Smith, Ronald W. 1877
 Smith, Samuel R. 2779
 Smith, Thomas G. 2591
 Smith, W.E. 2683
 Snelling, Walter O. 2175
 Snow, John W. 1826
 Sopper, William E. 2106, 2107
 Smithers, F.S. & Company 670
 Smurthwaite, William 278, 279
 Socialist and Labor Star 911
 Socialist Party 1089
 Solomon, H.J. 2198
 Somers, Gerald G. 671, 672, 1285
 Songs SEE Folklore
 South Dakota 2780
 South-East Coal Company 839
 Southern Appalachian Coal Operators' Association 1286
 Southern Exposure 1287
 Southern West Virginia Economic Development Corporation 673
 Spahr, Charles B. 1596
 Spaid, Ora 674
 Spalding, H.A. 636
 Spaulding, Bishop 1145
 Spaulding, Willard M. 2108
 Speare, Morris E. 2781
 Speltz, Charles N. 2109
 Spencer, K.A. 2110
 Spero, Sterling D. 1288
 Sperry, J.R. 1289
 Spicer, T.S. 1878
 Spittal, Hugh E. 2735, 2736
 Spore, Robert L. 2062, 2092, 2111
 Sprague, Stuart S. 1289a
 Squire, Joseph 2593
 Squires, Arthur M. 675, 676, 1832
 Stachura, John A. 2112
 Stacks, John F. 2113
 Stacy, Charles B. 2409
 Stanford Research Institute 2114
 Stang, Alan 1290
 Stanley, Cathy 1457
 Stanley, Louis 1291
 Starr, George W. 677
 Stearns Coal & Lumber Co. 1966, 2146
 Stebinger, Eugene 2594
 Steel, Alvin A. 2595
 Steel, Edward M. 1292
 Steele, H.E. 2410
 Steelman, James 1597
 Steffens, Lincoln 1293
 Stein, Jane 679
 Stein, Leon 1294
 Steiner, D.E. 1440
 Stephens, Roderick 680
 Stern, Gerald M. 1879
 Stevens, Elizabeth 2262
 Stevens, Thomas H. 680a
 Stevenson, George E. 2782

- Stevenson, Gloria 1295
 Stewart, Charles L. 2116
 Stewart, E. 681, 682, 683
 Stewart, Ethel R. 2783
 Stewart, Paul D. 684
 Stillman, Don 1162, 1286, 1598, 1599
 Stinnett, Landy A. and others 2783a
 Stock, A.R. 685
 Stocking, George W. 1297
 Stockton, Richard 1600
 Stoddard, C.E. 1298
 Stoddard, Paul W. 280
 Stock, H.H. 2117, 2199, 2263, 2596
 Stone, Ralph W. 2597
 Stone, Warren S. 1113, 1326, 1330
 Storrs, Arthur H. 2598
 Storrs, L.S. 2599
 Stotesbury coal museum 93
 Stow, Audley H. 2600
 Straton, John W. 2784
 Straw, Richard A. 1299, 2296
 Strikes SEE Labor relations
 Strip mining SEE Surface mining
 Strong, Edna R. 1602
 Strong, Henry K. 281
 Stroup, Richard 2785
 Sturgeon, Myron T. 282
 Subsidence 790, 1844, 1873, 2793
 Suffern, Arthur E. 686, 1303, 1304
 Suggs, G.G. 1305
 Sulzberger, C.L. 1306
 Supply & demand for coal 372, 421, 423, 580, 589, 737, 2688, 2728a, 2762, 2783a, 2827
 Surface, George T. 2297
 Surface mining 1896-2156
 Sutherland, Howard 1801, 2786
 Swados, Harvey 1603
 Swain, George T. 283, 1307
 Swank, James M. 284, 285
 Sweet, Patricia A. 1604
 Sweet, Sylvanus H. 286
 Swift, Bert 1605
 Swisher, Jacob A. 287
 Switch-Back Railroad 288
 Sycamore Coal mines 75, 289
 Sydenstricker, Edgar 1308, 1309

 Tabb, William K. 688
 Taff, Joseph A. 2601
 Tabershaw, Irving R. 2414
 Taft, Philip 1294
 Tams, W.P. 171, 290
 Tankersley, Allen P. 291
 Tariff 65, 323, 570
 Taubenhaus, Marjorie 2415
 Taxation 353, 356, 364, 377, 380, 490, 518, 558, 560, 579, 597, 629, 636, 639, 665, 700, 749, 2644, 2680, 2685, 2720
 Taylor, George 292
 Taylor, Glenn R. 1718
 Taylor, John R. 689
 Taylor, Paul F. 1310, 1311, 1312
 Taylor, Richard C. 293, 294
 Taylor, Samuel A. 690
 Taylor, Warren C. 1606
 Teleky, Ludwig 2416
 Tennessee 8, 70, 105, 181, 385, 504, 691, 804, 805, 921, 956, 1038, 1039, 1217, 1267, 1287, 1430, 1966, 2125, 2132, 2146, 2228, 2302, 2303, 2328, 2378, 2464, 2473, 2529, 2530, 2532, 2532, 2537, 2538, 2551, 2602, 2603, 2604, 2635, 2787
 Tennessee. Bureau of Agriculture, Statistics and Mines 2602
 Tennessee Coal, Iron & Railroad Co. 108, 464
 Tennessee. Dept. of Conservation and Commerce 2125
 Tennessee. Energy Office 2604
 Tennessee. General Assembly 691
 Tennessee. State Planning Commission 2787
 Tennessee University 692
 Tennessee Valley Authority 447, 488, 584, 693, 1881, 1924, 1925, 2095, 2126, 2152
 Tennessee Valley Authority. Office of Power 693
 Tetra Tech, Inc. 2788
 Texas 98, 2437, 2563, 2609
 Texas Eastern Transmission Corporation 1719
 Tharp, Marilyn 295
 Thomas, B.B. 694
 Thomas, E.H.C. 695
 Thomas, Jerry B. 296, 297
 Thomas, Samuel 298
 Thompson, Carol L. 1802
 Thompson, Craig 1313
 Thompson, J.C. 696
 Thompson, James H. 697-700
 Thompson, T.L. 1739
 Thornley, Fred C. 701
 Thorp, William L. 702
 Thrasher, Sue 2302
 Throop, Benjamin 299
 Thurman, Walter 2785
 Thurmond, Walter R. 300
 Tidewater Coal Exchange 2789
 Tioga County, Pa. 116, 1000, 1141
 Tippet, Thomas 1314, 1607
 Tipton, J.C. 301
 Titchener, James L. 2417
 Titler, George J. 1315
 Toenges, Albert L. 1720, 2127, 2606

- Tomimatsu, T.T. 703
 Tomkins, Calvin 2128
 Tompkins, Dorothy L. 2128a
 Toohey, Pat 1316
 Toole, K. Ross 2129
 Toothman, Fred R. 2790
 Tower, Charlemagne 27
 Towson, Charles R. 1608
 Trachtenberg, Alexander 1803
 Tracy, Eleanor J. 704
 Traer, Glenn W. 705
 Trail, William R. 1317
 Training 521, 2195a, 2625, 2635, 2697,
 2718, 2721, 2722, 2734, 2740, 2753,
 2816a,
 Transportation SEE ALSO Canals,
 pipelines, railroads 6, 198, 306,
 1632-1742, 2689, 2778
 Trapnell, W.C. 706
 Treacy, John 2130
 Trester, Delmer J. 1318
 Trisko, Ralph L. 1804
 Trott, Harlan 707
 Truax-Traer Coal Co. 1883
 Truax, Chester N. 2131
 Tryon, F.G. 708, 1320, 2791, 2792
 Tugendhat, George 709
 Tung, Hong-Shoug 2132
 Tuomey, M. 302
 Turner, George E. 2715
 Turner, Harry 710
 Turner, Scott 2133
 Tyron, 523, 788
 Uhrin, David C. 358
 Unemployment 361, 431, 627, 735,
 736, 750, 775, 1178
 Union Pacific Coal Co. 233, 303
 Union Potomac Co. 304
 Unit Trains 1648, 1665, 1690, 1740
 United Anthracite Miners 1081, 1411
 United Mine Workers of America
 416, 713a, 792, 815, 819, 822, 832,
 834, 838, 844, 846, 847, 859, 866,
 867, 868, 878, 880, 881, 913, 926,
 929, 937, 942, 944, 951, 957, 960,
 989, 990, 1004, 1012, 1022, 1023,
 1025, 1026, 1030, 1031, 1035, 1037,
 1051, 1052, 1053, 1055, 1066, 1077,
 1079, 1089, 1091, 1092, 1098, 1106,
 1109, 1114, 1115, 1119, 1128, 1130,
 1150, 1152, 1158, 1161, 1163, 1173,
 1179, 1180, 1181, 1183, 1192, 1197,
 1199, 1204, 1219, 1226, 1233, 1235,
 1236, 1237, 1254, 1257, 1261, 1270,
 1275, 1276, 1278, 1279, 1280, 1291,
 1296, 1299, 1310, 1317, 1322-40,
 1361, 1366, 1374, 1375, 1402, 1403,
 1415, 1784, 1908, 2274, 2284, 2293,
 2296
 United Mine Workers of America.
 Journal 1162, 1187, 1247, 1249
 United Mine Workers of America.
 Welfare & Retirement Fund 1180,
 1181, 1215, 1264, 1341, 1360, 1400,
 2345, 2346, 2347
 U.S. Army. Corps of Engineers 1884
 U.S. Atomic Energy Commission. 711
 U.S. Bureau of Labor 1343
 U.S. Bureau of Labor Statistics 712,
 713
 U.S. Bureau of Mines 2200, 2201,
 2419, 2793-96
 U.S. Children's Bureau 1609, 2202
 U.S. Coal Commission 482, 714, 1329
 1331, 1413, 1634, 1771, 1772
 U.S. Coal Mines Administration 2420
 U.S. Colorado Coal Commission 1344
 U.S. Commission on Industrial Rela-
 tions 1345, 1346
 U.S. Commissioner of Labor 715,
 1347
 U.S. Comptroller General 1884a, 2797
 U.S. Congress. Committee on the
 District of Columbia 716
 U.S. Congress. House 305, 717, 718,
 1805, 1806, 1807, 1808
 U.S. Congress. House. Committee on
 Education & Labor 1348, 2203-9,
 2265, 2421, 2422
 U.S. Congress. House. Committee on
 Government Operations. 1885,
 2210
 U.S. Congress. House. Committee on
 Interior and Insular Affairs 1809-11,
 2134-36, 2798, 2799, 2800
 U.S. Congress. House. Committee on
 Interstate and Foreign Commerce
 719, 1722, 2801,
 U.S. Congress. House. Committee on
 Labor Troubles in Pennsylvania
 1349
 U.S. Congress. House. Committee on
 Mines and Mining 2211
 U.S. Congress. House. Committee on
 public lands 2802
 U.S. Congress. House. Committee on
 the Budget 2803
 U.S. Congress. House. Committee on
 the judiciary 2804
 U.S. Congress. House. Committee on
 Ways and Means 720, 721, 1812
 U.S. Congress. House. Select Com-
 mittee on Existing Labor Troubles
 in Pennsylvania 1352
 U.S. Congress. Senate 722, 723, 724,
 725, 1813, 1814
 U.S. Congress. Senate. Committee on

- Commerce 1723
 U.S. Congress. Senate. Committee on Education and Labor 1353-57, 1815
 U.S. Congress. Senate. Committee on Indian Affairs 2805
 U.S. Congress. Senate Committee on Interior & Insular Affairs 726-32, 1724, 1816, 2137-40, 2266, 2806, 2807
 U.S. Congress. Senate. Committee on Interstate Commerce 733, 1358, 1817-21
 U.S. Congress. Senate. Committee on Interstate and Foreign Commerce 734
 U.S. Congress. Senate. Committee on Labor and Public Welfare 735, 736, 1359, 1360, 1361, 2212, 2213, 2266a, 2423-25
 U.S. Congress. Senate. Committee on Manufacturers 737, 738, 1362
 U.S. Congress. Senate. Committee on Mines and Mining 1822, 2214
 U.S. Congress. Senate. Committee on Naval Affairs 1725
 U.S. Congress. Senate. Committee on Public Works 739
 U.S. Congress. Senate. Committee on the District of Columbia 2808
 U.S. Congress. Senate. Special Committee to Investigate Industrial Centralization 740
 U.S. Congress. Senate. Special Committee to Investigate the Fuel Situation on the Middle West 741
 U.S. Council on Wage and Price Stability 2808a
 U.S. Department of Agriculture 2141
 U.S. Department of the Interior 1823, 2142, 2143, 2144, 2267
 U.S. Environmental Protection Agency 2144a
 U.S. Federal Energy Administration 742
 U.S. Federal Fuel Distributor 2809
 U.S. Federal Trade Commission 718, 743, 744, 745, 1726
 U.S. Federal Water Pollution Control Administration 1886
 U.S. Fuel Administration 572
 U.S. General Accounting Office 2809a
 U.S. Geological Survey 2631
 U.S. Immigration Commission 2298
 U.S. Industrial Commission 1363
 U.S. Interstate Commerce Commission 746, 1727, 1728, 1729, 1730, 1731
 U.S. Library of Congress. Congressional Research Service 747, 1824
 U.S. National Archives 2810
 U.S. Office of Coal Research 1887
 U.S. Public Health Service 2426
 U.S. Railroad Administration 1732, 1733
 U.S. Steel Corp. 748
 U.S. Transportation Investigation and Research Board 1734
 U.S. Treasury Department 749
 U.S. Women's Bureau 1610
 Urwick, Currie Ltd. 2811
 Utah 208, 209, 475, 752, 1209, 1229, 1868, 2248, 2258, 2439, 2469, 2498, 2536, 2572, 2610, 2699
 Utah. Committee to Study Operations of State Government 752
 Utah International Inc. 1904
 Utilities SEE Electric power production
 Vaile, R.S. 753
 Valuation SEE Appraisal
 Vance, Stanley C. 754
 Vandervliet, B. 2007
 Van De Water, Frederick 2215
 Van Hise, Charles R. 755
 Van Kleeck, Mary 453, 1268, 1365
 Van Meter, LaRue 1611
 Vargas, Ernest A. 1433
 Vaughan, Thomas W. 2609
 Veal, Phil 1366
 Vecsey, George 1613, 1614
 Veenstra, T.A. 463, 756
 Venslauskas, Stanley C. 1612
 Verhoeff, Mary 306
 Victor, Richard H. 1888
 Vincent, Merle D. 757
 Vining, Stanley 307
 Virginia 9, 12, 61, 84, 95, 128, 141, 145, 235, 261, 274, 302, 304, 305, 326, 327, 401, 404, 499, 559, 629, 758, 1457, 1462, 1471, 1602, 1613, 1614, 1658, 1667, 1672, 1714, 2260, 2516, 2545, 2565, 2568, 2597
 Virginia. Division of Planning and Economic Development 758
 Virtue, G.O. 759, 1367, 1368
 Vocabulary 2757
 Voelker, S.W. 2715a
 Vogtle, A.W. 760
 Vorse, Mary H. 1369
 Voskuil, Walter H. 761, 762, 1735
 Vyas, K.C. 1837
 Wadleigh, F.R. 763, 764, 765, 2814
 Wages 341, 344, 350, 357, 369, 373, 406, 432, 451, 461, 497, 520, 538, 545, 624, 650, 671, 712, 713a, 722, 816, 841, 909, 978, 1077, 1219, 1332, 1333
 Wagner, E.C. 310

- Wahler and Associates 1889
 Wakefield, D. 1370
 Wali, M.K. 2145
 Walker, Albert H. 766
 Walker, Charles R. 1371
 Walker, Elmore 311
 Walker, Francis 767
 Walker, James R. 1735a
 Walker, Samuel E. 1372
 Walker, William S. 2299
 Walker, Wilma 1615
 Wallace, George Selden 1373
 Wallace, Tom 2146
 Walling Henry F. 312
 Walsh, John 768
 Walsh, William J. 1374
 Walter, George H. 2147
 Walter, R.A. 313
 Walters, A. 314
 Walters, Robert 1375
 Walton, Mary 1890
 Walton, Thomas H. 315
 Wance, William 1615
 Warburton, Amber A. 1617
 Ward, Willard E. 2815
 Wardley, C.S. 316
 Warne, Colston E. 1378, 1379
 Warne, Frank J. 769, 1380-86, 2300
 Warner, Arthur 1387
 Warner, Fayette S. 770
 Warner, Larkin 1736, 1737
 Warriner, J.B. 1102, 2148
 Warriner, S.D. 771, 2816
 Washburn, Harry L. 10
 Washington 187, 295, 1319, 1622,
 1852, 2233, 2492, 2504, 2515, 2525
 Wasp, E.J. 1738, 1739
 Water pollution 1770, 1834, 1853,
 1854, 1855, 1877, 1884a, 1886, 1891,
 1893, 1895, 1939, 1974, 2035a, 2061,
 2071, 2086
 Water Resources Scientific Informa-
 tion Center 1891
 Water supply 1747, 1857, 1947, 2131,
 2755
 Watkins, Harold M. 772
 Watson, William D. 773
 Watts, A.C. 1618, 2610
 Weaver, Paul H. 774
 Webb, John N. 775
 Webbink, Douglas W. 577
 Wechsler, James A. 1388
 Weck, Egon 2816a
 Weckesser, Ernest 1389
 Weedfall, Robert O. 2268
 Weeks, Joseph D. 2611
 Weinberg, Edgar 776
 Weitzell, E.H. 1390
 Welfare plans 104
 Weller, Jack 1619
 Wellman, Walter 2612
 Wells, Jane F. 2149
 Werner, G. J. 2703
 Werstein, Irving 1391
 West, Harold E. 1392
 West, Jim 777
 West Virginia 4, 14, 32, 36, 39, 60, 63,
 64, 66, 67, 69, 82, 85, 93, 95, 97,
 103a, 112, 118, 120, 137, 151, 165,
 171, 186, 193, 197, 225, 242, 275,
 283, 290, 291, 296, 297, 300, 318,
 319, 324, 332, 353, 374, 377, 397,
 497, 510, 511, 512, 559, 627, 664,
 673, 684, 697, 698, 699, 778, 802,
 806, 816, 822, 824, 828, 847, 849,
 851, 876, 877, 899, 911, 917, 923,
 931, 933, 941, 947, 968, 979, 980,
 1013, 1024, 1030, 1067, 1078, 1084,
 1086, 1093, 1126, 1132, 1133, 1146,
 1148, 1154, 1171, 1177, 1201, 1202,
 1205, 1206, 1220, 1228, 1234, 1251,
 1289a, 1292, 1301, 1307, 1313, 1317,
 1353, 1354, 1356, 1357, 1358, 1373,
 1377, 1387, 1392, 1393, 1394, 1395,
 1396, 1399, 1414, 1417, 1418, 1431,
 1432, 1436, 1439, 1440, 1443, 1452,
 1458, 1475, 1478, 1491, 1498, 1504,
 1507, 1514, 1523, 1531, 1535, 1540,
 1543, 1545, 1546, 1549, 1551, 1553,
 1554, 1557, 1565, 1569, 1571, 1572,
 1578, 1583, 1584, 1590, 1594, 1623,
 1631, 1662, 1685, 1703, 1783, 1825,
 1833, 1838-41, 1847, 1850, 1856,
 1864, 1869, 1870, 1872, 1879, 1884,
 1890, 1897, 1903, 1906, 1914, 1930,
 1932, 1940, 1948, 1951, 1964, 2054,
 2057, 2102, 2114, 2123, 2170, 2179,
 2185, 2186, 2194, 2225, 2226, 2232,
 2234, 2235, 2236, 2238, 2252, 2253,
 2254, 2255, 2256, 2259, 2262, 2263,
 2267, 2268, 2269, 2275, 2289, 2290,
 2292, 2295a, 2317, 2332, 2350, 2356,
 2360, 2361, 2363, 2375, 2392, 2399,
 2417, 2429, 2445, 2450, 2451, 2453,
 2459, 2483, 2490, 2496, 2508, 2511,
 2519, 2545, 2546, 2552, 2556, 2557,
 2559, 2562, 2570, 2571, 2573, 2579,
 2582, 2600, 2611, 2612, 2637, 2682,
 2691, 2718, 2723, 2727, 2745, 2746,
 2746, 2783, 2790
 West Virginia. Attorney General's
 Office 1393
 West Virginia Coal Mining Co. 317
 West Virginia Federation of Labor
 118
 West Virginia. Governor's Ad Hoc
 Commission of Inquiry 1892
 West Virginia. Governor's Commiss-

- ion on Logan County Situation 1394
 West Virginia. Governor's Investigating Committee 1395
 West Virginia. Legislature 778, 2269
 West Virginia. Mining Commission 1825
 West Virginia. Mining Investigation Commission 1396
 West Virginia University. Coal Research Bureau 533, 1893
 Western coal SEE Western States
 Western Federation of Miners 903, 1397
 Western States 396, 432a, 531, 582, 609, 779, 1708, 1747, 1900, 1905, 1917, 1933, 1954, 1961, 1965, 1970, 2024, 2025, 2027, 2064, 2076, 2083, 2129, 2144a, 2691a, 2720, 2728a
 Westfield, James 1827
 Westover, J.H. 2328
 Wetherill, J. Price 2613
 Wetzel, John A. 1620
 Weyl, Walter 1398
 Whaite, Ralph H. 1866
 Wheeler, Edward K. 1826
 Wheeler, Hoyt N. 1399
 White, D.H. 1846, 2728a
 White, David 2614
 White, Elizabeth 319
 White, I.C. 2615, 2616, 2617
 White, J.H. 1621, 2427
 White, Josiah 194, 245, 320
 White, Thomas E. 1400
 Whiteside, F.W. 2618, 2619, 2620
 Whitlatch, Elbert E. 2817
 Whitman, Ira L. 1894
 Whittlesey, Charles 321, 322
 Wice, Marsha N. 1402
 Wickersham, Edward D. 1403
 Wiebe, Robert H. 1404
 Wieck, Agnes 1405
 Wieck, Edward A. 1406-9, 2270, 2271
 Wiener, Frederick B. 2150
 Wiesel, Carl 2428
 Wilder, Henry J. 2818
 Wilderness of St. Anthony 17
 Wildlife SEE Fish and wildlife
 Wilfong, Harry Dean 2819
 Wilkerson, W.V. 2429
 Wilkinson, Joseph F. 2151
 Willard, Lucius 1622
 Willcox, David 1410
 Williams, Bruce T. 1622a
 Williams, Dorcas A. 1623
 Williams, Frank E. 1895
 Williams, Gertrude M. 1411
 Williams, John A. 323, 324
 Williams, L.M. 1624
 Williams, Pierce 2430
 Williams, Roger M. 2152
 Williams, Stanley B. 1625
 Williams, Talcott 1412
 Williams, William H. 1741
 Williamson, H.A. 2820
 Willis, Beverly A. 1626
 Willits, Joseph H. 1413
 Wilson, Edmund 1414
 Wilson, H.A. 2153
 Wilson, H.M. 2216
 Wilson, Helen 1627
 Wilson, Isabella C. 2431
 Wilson, John M. 1628
 Wilson, William B. 1231, 1232, 1415
 Wilson, Woodrow 1050
 Wilson Survey 4, 151
 Wimpfen, Sheldon P. 780
 Wing, David L. 781, 782
 Wisconsin 2760
 Wisconsin Steel Co. 508
 Withrow, Michael V. 2154
 Witt, Matt 325, 1416
 Wolfe, Charles F. 783
 Wolfe, George 1417
 Wolfe, Marshall L. 2621
 Wolfe, Thomas M. 784
 Wolfle, Lee M. 2821
 Wolfson, Harold 2769
 Wolkins, George G. 2822
 Woolley, Bryan 1420
 Woll, Matthew 1418
 Woltman, Frederick 1419
 Women 236, 1078, 1213, 1457, 1474, 1508, 1530, 1610, 2288
 Woodbridge, Dwight 1629
 Woodworth, Jay B. 326, 2622
 Woolrich, Willis R. 785
 Wooldridge, A.S. 327
 Wootton Land & Fuel Co. 22
 Work stoppages SEE ALSO Labor relations 934, 964, 1017
 Workingmen's Benevolent Association 820, 1214, 1263
 Wozniewicz, Edward J. 786
 Wright, Carroll D. 1423
 Wright, Helen R. 480, 481, 1424
 Wyler, Samuel S. 2823
 Wyoming 1547, 1857, 1936, 2042, 2045, 2105, 2469, 2527, 2555, 2558, 2566, 2686, 2588, 2589, 2686
 Wyoming County, Pa. 110, 111, 163, 164, 211, 308, 328
 Yablonski, Joseph 815, 868, 1098, 1183, 1237
 Yancik, Joseph J. 2824
 Yanik, Glenn G. 2155
 Yeager, Lee E. 2156
 Yearley, C.K. 329

Yerkes, S.L. 1742
Young, C.M. 2623
Young, Dallas M. 1425, 1426
Young, Gordon 787
Young, Lewis H. 2825
Young, W.H. 788
Zahorski, Witold W. 2432
Zandarski, Joseph R. 789
Zanolli, S.W. 2826
Zapata Norness, Inc. 512

Ziegler, Martin 1828
Ziegler, Robert H. 1426a
Ziegler Coal Co. 1562
Zierer, Clifford M. 2624
Zimmerman, H.O. 1630
Zimmerman, M.B. 2827
Zimolzak, Chester E. 1631
Zuberer, David A. 2153
Zwartendyk, Jan 790

